

### Snap-in Type

Series: **UQ** Type: **TS**



#### ■ Features

- Endurance : 85 °C 2000 h
- 30 % Smaller than series TS-UP
- RoHS directive compliant

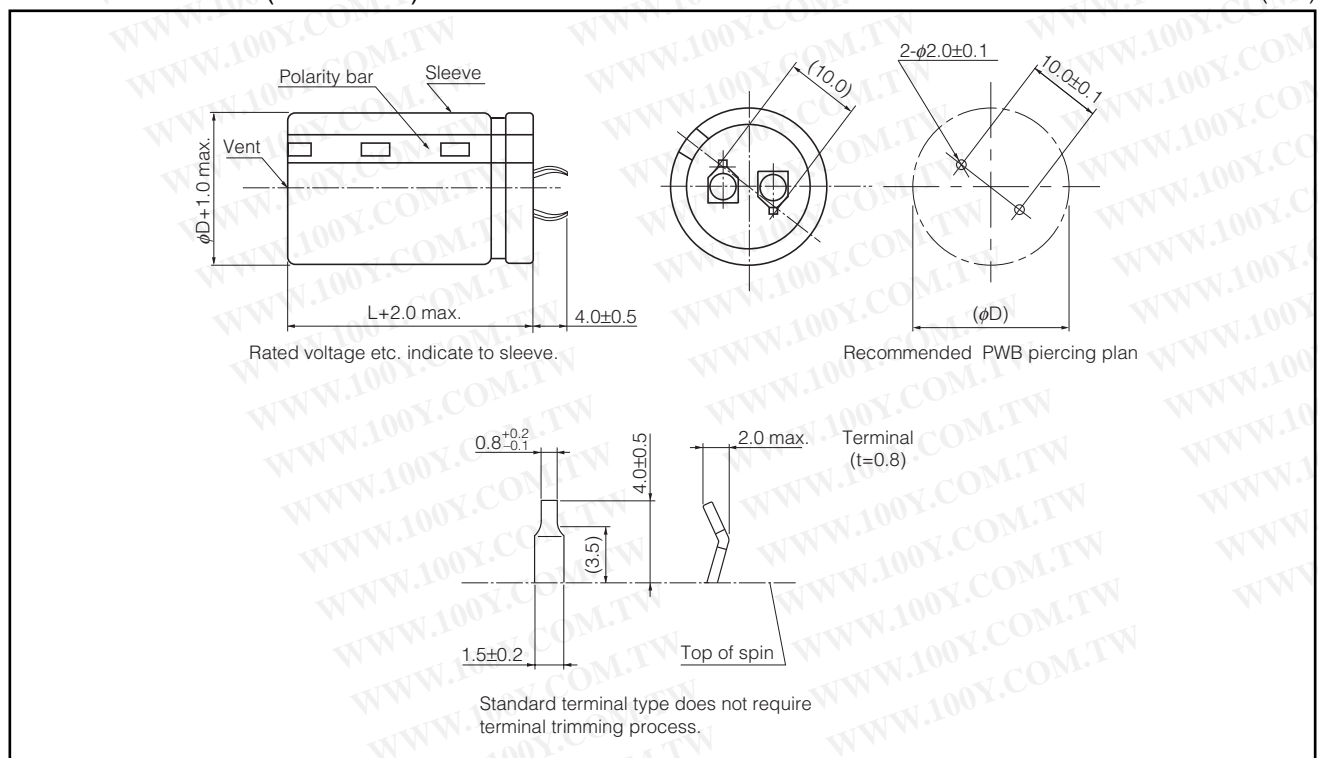
**勝特力材料 886-3-5753170**  
**勝特力电子(上海) 86-21-34970699**  
**勝特力电子(深圳) 86-755-83298787**  
[Http://www.100y.com.tw](http://www.100y.com.tw)

#### ■ Specifications

|  |  |                                    |                      |      |      |      |      |         |
|--|--|------------------------------------|----------------------|------|------|------|------|---------|
| Category Temp. Range                           | -40 °C to +85 °C   |                                    | -25 °C to +85 °C     |      |      |      |      |         |
| Rated W.V. Range                               | 16 V.DC to 100 V.DC  | 160 V.DC to 250 V.DC               | 315 V.DC to 450 V.DC |      |      |      |      |         |
| Nominal Cap. Range                             | 1000 μF to 100000 μF   | 270 μF to 3900 μF                  | 82 μF to 1000 μF     |      |      |      |      |         |
| Capacitance Tolerance                          | ±20 % (120 Hz/+20 °C)  |                                    |                      |      |      |      |      |         |
| DC Leakage Current                             | 3√CV (μA) max. After 5 minutes application of rated working voltage at +20 °C<br>C : Capacitance (μF) V: W.V. (V.DC)   |                                    |                      |      |      |      |      |         |
| tan δ  | Please see the attached standard products list.  |                                    |                      |      |      |      |      |         |
| Frequency Correction Factor for Ripple Current | Frequency (Hz)   | 50                                 | 60                   | 100  | 120  | 500  | 1 k  | 10 k to |
|  | 16 V.DC to 100 V.DC /C.F.  | 0.93                               | 0.95                 | 0.99 | 1.00 | 1.05 | 1.08 | 1.15    |
|  | 160 V.DC to 450 V.DC /C.F.   | 0.75                               | 0.80                 | 0.95 | 1.00 | 1.20 | 1.25 | 1.40    |
| Endurance                                      | After 2000 hours application of DC voltage with specified ripple current (≦ rated DC working voltage) at +85 °C±2 °C, the capacitors shall meet the following limits.                        |                                    |                      |      |      |      |      |         |
|  | Capacitance change   | ≦ ±20 % of initial measured value  |                      |      |      |      |      |         |
|  | tan δ  | ≦ 200 % of initial specified value |                      |      |      |      |      |         |
| Shelf Life                                     | After storage for 1000 hours at +85 °C±2 °C within no voltage applied and then being stabilized at +20 °C, capacitors shall meet the limits specified in Endurance. (With voltage treatment) |                                    |                      |      |      |      |      |         |
|  |  |                                    |                      |      |      |      |      |         |

#### ■ Dimensions in mm (not to scale)

(mm)



### Standard Products

| W.V.<br>(V. DC) | Cap.<br>(120 Hz)<br>(±20 %)<br>(μF) | Case size    |                | Part No.<br><br>PET sleeve<br>Terminal Length<br>4.0 mm<br>(Without Top Plate) | Specification   |                                       | Min. Packaging Q'ty<br><br>(pcs) |
|-----------------|-------------------------------------|--------------|----------------|--|---|---------------------------------------|----------------------------------|
|                 |                                     | Dia.<br>(mm) | Length<br>(mm) |  | Ripple<br>Current<br>(120 Hz)<br>(+85 °C)<br>(A r.m.s.) | tan δ<br>(120 Hz)<br>(+20 °C)<br>max. |                                  |
| 16              | 12000                               | 22           | 25             | EETUQ1C123HJ   | 4.5   | 0.50                                  | 200                              |
|                 | 15000                               | 22           | 30             | EETUQ1C153HJ   | 5.3   | 0.50                                  | 200                              |
|                 | 18000                               | 22           | 35             | EETUQ1C183HJ   | 5.6   | 0.50                                  | 200                              |
|                 |                                     | 25           | 25             | EETUQ1C183JJ   | 5.6   | 0.50                                  | 200                              |
|                 | 22000                               | 22           | 40             | EETUQ1C223HJ   | 6.1   | 0.50                                  | 200                              |
|                 |                                     | 25           | 30             | EETUQ1C223JJ   | 6.1   | 0.50                                  | 200                              |
|                 | 27000                               | 22           | 45             | EETUQ1C273HJ   | 6.3   | 0.50                                  | 200                              |
|                 |                                     | 25           | 35             | EETUQ1C273JJ   | 6.3   | 0.50                                  | 200                              |
|                 |                                     | 30           | 25             | EETUQ1C273KJ   | 6.3   | 0.50                                  | 200                              |
|                 | 33000                               | 22           | 50             | EETUQ1C333HJ   | 6.8   | 0.50                                  | 200                              |
|                 |                                     | 25           | 40             | EETUQ1C333JJ   | 6.8   | 0.50                                  | 200                              |
|                 |                                     | 30           | 30             | EETUQ1C333KJ   | 6.8   | 0.50                                  | 200                              |
|                 |                                     | 35           | 25             | EETUQ1C333LJ   | 6.8   | 0.50                                  | 200                              |
|                 | 39000                               | 25           | 45             | EETUQ1C393JJ   | 6.9   | 0.56                                  | 200                              |
|                 |                                     | 30           | 35             | EETUQ1C393KJ   | 6.9   | 0.56                                  | 100                              |
|                 | 47000                               | 25           | 50             | EETUQ1C473JJ   | 7.5   | 0.64                                  | 200                              |
|                 |                                     | 30           | 40             | EETUQ1C473KJ   | 7.5   | 0.64                                  | 100                              |
|                 |                                     | 35           | 30             | EETUQ1C473LJ   | 7.5   | 0.64                                  | 200                              |
|                 | 56000                               | 30           | 45             | EETUQ1C563KJ   | 8.7   | 0.73                                  | 100                              |
|                 |                                     | 35           | 35             | EETUQ1C563LJ   | 8.7   | 0.73                                  | 100                              |
| 68000           | 30                                  | 50           | EETUQ1C683KJ   | 9.1  | 0.85  | 100                                   |                                  |
|                 | 35                                  | 40           | EETUQ1C683LJ   | 9.1  | 0.85  | 100                                   |                                  |
| *               | 82000                               | 35           | 45             | EETUQ1C823LJ   | 9.5   | 0.99                                  | 100                              |
| *               | 100000                              | 35           | 50             | EETUQ1C104LJ   | 10.2  | 1.17                                  | 100                              |
| 25              | 8200                                | 22           | 25             | EETUQ1E822HJ   | 3.6   | 0.40                                  | 200                              |
|                 | 10000                               | 22           | 30             | EETUQ1E103HJ   | 3.8   | 0.40                                  | 200                              |
|                 | 12000                               | 22           | 30             | EETUQ1E123HJ   | 4.1   | 0.40                                  | 200                              |
|                 |                                     | 25           | 25             | EETUQ1E123JJ   | 4.1   | 0.40                                  | 200                              |
|                 | 15000                               | 22           | 35             | EETUQ1E153HJ   | 4.6   | 0.40                                  | 200                              |
|                 |                                     | 25           | 30             | EETUQ1E153JJ   | 4.6   | 0.40                                  | 200                              |
|                 | 18000                               | 22           | 40             | EETUQ1E183HJ   | 5.5   | 0.40                                  | 200                              |
|                 |                                     | 25           | 35             | EETUQ1E183JJ   | 5.5   | 0.40                                  | 200                              |
|                 |                                     | 30           | 25             | EETUQ1E183KJ   | 5.5   | 0.40                                  | 200                              |
|                 | 22000                               | 22           | 45             | EETUQ1E223HJ   | 6.1   | 0.40                                  | 200                              |
|                 |                                     | 25           | 40             | EETUQ1E223JJ   | 6.1   | 0.40                                  | 200                              |
|                 |                                     | 30           | 30             | EETUQ1E223KJ   | 6.1   | 0.40                                  | 200                              |
|                 |                                     | 35           | 25             | EETUQ1E223LJ   | 6.1   | 0.40                                  | 200                              |
|                 | 27000                               | 25           | 45             | EETUQ1E273JJ   | 6.2   | 0.40                                  | 200                              |
|                 |                                     | 30           | 35             | EETUQ1E273KJ   | 6.2   | 0.40                                  | 100                              |
|                 | 33000                               | 25           | 50             | EETUQ1E333JJ   | 6.8   | 0.40                                  | 200                              |
|                 |                                     | 30           | 40             | EETUQ1E333KJ   | 6.8   | 0.40                                  | 100                              |
|                 |                                     | 35           | 30             | EETUQ1E333LJ   | 6.8   | 0.40                                  | 200                              |
|                 | 39000                               | 30           | 45             | EETUQ1E393KJ   | 7.4   | 0.46                                  | 100                              |
|                 |                                     | 35           | 35             | EETUQ1E393LJ   | 7.4   | 0.46                                  | 100                              |
| 47000           | 30                                  | 50           | EETUQ1E473KJ   | 8.0  | 0.54  | 100                                   |                                  |
|                 | 35                                  | 40           | EETUQ1E473LJ   | 8.0  | 0.54  | 100                                   |                                  |
| *               | 56000                               | 35           | 45             | EETUQ1E563LJ   | 8.7   | 0.63                                  | 100                              |
| *               | 68000                               | 35           | 50             | EETUQ1E683LJ   | 9.6   | 0.75                                  | 100                              |

Endurance : 85 °C 2000 h, Terminal Pitch : 10 mm

\* When capacitors of φ35×45L and φ35×50L are mounted on PWB, reinforce them with mounting clamp or adhesives. (Avoid using adhesives including halogenated compositions.)

### Standard Products

| W.V.<br>(V. DC) | Cap.<br>(120 Hz)<br>(±20 %)<br>(μF) | Case size    |                | Part No.<br><br>PET sleeve<br>Terminal Length<br>4.0 mm<br>(Without Top Plate) | Specification   |                                       | Min. Packaging Q'ty<br><br>(pcs) |
|-----------------|-------------------------------------|--------------|----------------|--|---|---------------------------------------|----------------------------------|
|                 |                                     | Dia.<br>(mm) | Length<br>(mm) |  | Ripple<br>Current<br>(120 Hz)<br>(+85 °C)<br>(A r.m.s.) | tan δ<br>(120 Hz)<br>(+20 °C)<br>max. |                                  |
| 35              | 5600                                | 22           | 25             | EETUQ1V562HJ   | 3.4   | 0.35                                  | 200                              |
|                 | 6800                                | 22           | 30             | EETUQ1V682HJ   | 3.7   | 0.35                                  | 200                              |
|                 | 8200                                | 22           | 30             | EETUQ1V822HJ   | 4.0   | 0.35                                  | 200                              |
|                 |                                     | 25           | 25             | EETUQ1V822JJ   | 4.0   | 0.35                                  | 200                              |
|                 | 10000                               | 22           | 35             | EETUQ1V103HJ   | 4.4   | 0.35                                  | 200                              |
|                 |                                     | 25           | 30             | EETUQ1V103JJ   | 4.4   | 0.35                                  | 200                              |
|                 | 12000                               | 22           | 40             | EETUQ1V123HJ   | 5.1   | 0.35                                  | 200                              |
|                 |                                     | 25           | 35             | EETUQ1V123JJ   | 5.1   | 0.35                                  | 200                              |
|                 |                                     | 30           | 25             | EETUQ1V123KJ   | 5.1   | 0.35                                  | 200                              |
|                 | 15000                               | 22           | 45             | EETUQ1V153HJ   | 5.6   | 0.35                                  | 200                              |
|                 |                                     | 25           | 40             | EETUQ1V153JJ   | 5.6   | 0.35                                  | 200                              |
|                 | 18000                               | 25           | 45             | EETUQ1V183JJ   | 5.7   | 0.35                                  | 200                              |
|                 |                                     | 30           | 30             | EETUQ1V183KJ   | 5.7   | 0.35                                  | 200                              |
|                 |                                     | 35           | 25             | EETUQ1V183LJ   | 5.7   | 0.35                                  | 200                              |
|                 | 22000                               | 25           | 50             | EETUQ1V223JJ   | 6.1   | 0.35                                  | 200                              |
|                 |                                     | 30           | 35             | EETUQ1V223KJ   | 6.1   | 0.35                                  | 100                              |
|                 |                                     | 35           | 30             | EETUQ1V223LJ   | 6.1   | 0.35                                  | 200                              |
|                 | 27000                               | 30           | 45             | EETUQ1V273KJ   | 6.8   | 0.35                                  | 100                              |
|                 |                                     | 35           | 35             | EETUQ1V273LJ   | 6.8   | 0.35                                  | 100                              |
|                 | 33000                               | 30           | 50             | EETUQ1V333KJ   | 7.2   | 0.35                                  | 100                              |
| 35              |                                     | 40           | EETUQ1V333LJ   | 7.2  | 0.35  | 100                                   |                                  |
| *               | 39000                               | 35           | 45             | EETUQ1V393LJ   | 7.7   | 0.41                                  | 100                              |
| *               | 47000                               | 35           | 50             | EETUQ1V473LJ   | 8.5   | 0.49                                  | 100                              |
| 50              | 3300                                | 22           | 25             | EETUQ1H332HJ   | 2.7   | 0.30                                  | 200                              |
|                 | 3900                                | 22           | 30             | EETUQ1H392HJ   | 2.8   | 0.30                                  | 200                              |
|                 | 4700                                | 22           | 30             | EETUQ1H472HJ   | 3.0   | 0.30                                  | 200                              |
|                 |                                     | 25           | 25             | EETUQ1H472JJ   | 3.0   | 0.30                                  | 200                              |
|                 | 5600                                | 22           | 35             | EETUQ1H562HJ   | 3.4   | 0.30                                  | 200                              |
|                 | 6800                                | 22           | 40             | EETUQ1H682HJ   | 3.9   | 0.30                                  | 200                              |
|                 |                                     | 25           | 30             | EETUQ1H682JJ   | 3.9   | 0.30                                  | 200                              |
|                 |                                     | 30           | 25             | EETUQ1H682KJ   | 3.9   | 0.30                                  | 200                              |
|                 | 8200                                | 22           | 45             | EETUQ1H822HJ   | 4.4   | 0.30                                  | 200                              |
|                 |                                     | 25           | 35             | EETUQ1H822JJ   | 4.4   | 0.30                                  | 200                              |
|                 | 10000                               | 22           | 50             | EETUQ1H103HJ   | 5.0   | 0.30                                  | 200                              |
|                 |                                     | 25           | 40             | EETUQ1H103JJ   | 5.0   | 0.30                                  | 200                              |
|                 |                                     | 30           | 30             | EETUQ1H103KJ   | 5.0   | 0.30                                  | 200                              |
|                 |                                     | 35           | 25             | EETUQ1H103LJ   | 5.0   | 0.30                                  | 200                              |
|                 | 12000                               | 25           | 45             | EETUQ1H123JJ   | 5.6   | 0.30                                  | 200                              |
|                 |                                     | 30           | 35             | EETUQ1H123KJ   | 5.6   | 0.30                                  | 100                              |
|                 |                                     | 35           | 30             | EETUQ1H123LJ   | 5.6   | 0.30                                  | 200                              |
|                 | 15000                               | 30           | 40             | EETUQ1H153KJ   | 6.4   | 0.30                                  | 100                              |
|                 |                                     | 35           | 35             | EETUQ1H153LJ   | 6.4   | 0.30                                  | 100                              |
|                 | 18000                               | 30           | 45             | EETUQ1H183KJ   | 6.9   | 0.30                                  | 100                              |
| 35              |                                     | 40           | EETUQ1H183LJ   | 6.9  | 0.30  | 100                                   |                                  |
| *               | 22000                               | 35           | 45             | EETUQ1H223LJ   | 7.6   | 0.30                                  | 100                              |
| *               | 27000                               | 35           | 50             | EETUQ1H273LJ   | 8.3   | 0.30                                  | 100                              |

Endurance : 85 °C 2000 h, Terminal Pitch : 10 mm

\* When capacitors of φ35×45L and φ35×50L are mounted on PWB, reinforce them with mounting clamp or adhesives. (Avoid using adhesives including halogenated compositions.)

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### Standard Products

| W.V.<br>(V. DC) | Cap.<br>(120 Hz)<br>(±20 %)<br>(μF) | Case size    |                | Part No.<br><br>PET sleeve<br>Terminal Length<br>4.0 mm<br>(Without Top Plate) | Specification   |                                       | Min. Packaging Q'ty<br><br>(pcs) |
|-----------------|-------------------------------------|--------------|----------------|--|---|---------------------------------------|----------------------------------|
|                 |                                     | Dia.<br>(mm) | Length<br>(mm) |  | Ripple<br>Current<br>(120 Hz)<br>(+85 °C)<br>(A r.m.s.) | tan δ<br>(120 Hz)<br>(+20 °C)<br>max. |                                  |
| 63              | 2200                                | 22           | 25             | EETUQ1J222HJ   | 2.5   | 0.30                                  | 200                              |
|                 | 2700                                | 22           | 30             | EETUQ1J272HJ   | 3.7   | 0.30                                  | 200                              |
|                 | 3300                                | 22           | 30             | EETUQ1J332HJ   | 4.1   | 0.30                                  | 200                              |
|                 |                                     | 25           | 25             | EETUQ1J332JJ   | 4.1   | 0.30                                  | 200                              |
|                 | 3900                                | 22           | 35             | EETUQ1J392HJ   | 4.4   | 0.30                                  | 200                              |
|                 |                                     | 25           | 30             | EETUQ1J392JJ   | 4.4   | 0.30                                  | 200                              |
|                 | 4700                                | 22           | 40             | EETUQ1J472HJ   | 4.9   | 0.30                                  | 200                              |
|                 |                                     | 25           | 35             | EETUQ1J472JJ   | 4.9   | 0.30                                  | 200                              |
|                 |                                     | 30           | 25             | EETUQ1J472KJ   | 4.9   | 0.30                                  | 200                              |
|                 | 5600                                | 22           | 45             | EETUQ1J562HJ   | 5.4   | 0.30                                  | 200                              |
|                 |                                     | 25           | 40             | EETUQ1J562JJ   | 5.4   | 0.30                                  | 200                              |
|                 | 6800                                | 25           | 45             | EETUQ1J682JJ   | 5.8   | 0.30                                  | 200                              |
|                 |                                     | 30           | 30             | EETUQ1J682KJ   | 5.8   | 0.30                                  | 200                              |
|                 |                                     | 35           | 25             | EETUQ1J682LJ   | 6.0   | 0.30                                  | 200                              |
|                 | 8200                                | 25           | 50             | EETUQ1J822JJ   | 6.0   | 0.30                                  | 200                              |
|                 |                                     | 30           | 35             | EETUQ1J822KJ   | 6.0   | 0.30                                  | 100                              |
|                 |                                     | 35           | 30             | EETUQ1J822LJ   | 6.5   | 0.30                                  | 200                              |
|                 | 10000                               | 30           | 40             | EETUQ1J103KJ   | 6.5   | 0.30                                  | 100                              |
|                 |                                     | 35           | 35             | EETUQ1J103LJ   | 6.5   | 0.30                                  | 100                              |
|                 | 12000                               | 30           | 45             | EETUQ1J123KJ   | 7.2   | 0.30                                  | 100                              |
| 35              |                                     | 40           | EETUQ1J123LJ   | 7.2  | 0.30  | 100                                   |                                  |
| *               | 15000                               | 35           | 45             | EETUQ1J153LJ   | 7.9   | 0.30                                  | 100                              |
| *               | 18000                               | 35           | 50             | EETUQ1J183LJ   | 8.6   | 0.30                                  | 100                              |
| 80              | 1500                                | 22           | 25             | EETUQ1K152HJ   | 2.3   | 0.25                                  | 200                              |
|                 | 1800                                | 22           | 30             | EETUQ1K182HJ   | 2.5   | 0.25                                  | 200                              |
|                 | 2200                                | 22           | 35             | EETUQ1K222HJ   | 2.7   | 0.25                                  | 200                              |
|                 |                                     | 25           | 25             | EETUQ1K222JJ   | 2.7   | 0.25                                  | 200                              |
|                 | 2700                                | 22           | 40             | EETUQ1K272HJ   | 2.8   | 0.25                                  | 200                              |
|                 |                                     | 25           | 30             | EETUQ1K272JJ   | 2.8   | 0.25                                  | 200                              |
|                 | 3300                                | 22           | 45             | EETUQ1K332HJ   | 3.2   | 0.25                                  | 200                              |
|                 |                                     | 25           | 35             | EETUQ1K332JJ   | 3.2   | 0.25                                  | 200                              |
|                 |                                     | 30           | 25             | EETUQ1K332KJ   | 3.2   | 0.25                                  | 200                              |
|                 | 3900                                | 22           | 50             | EETUQ1K392HJ   | 3.6   | 0.25                                  | 200                              |
|                 |                                     | 25           | 40             | EETUQ1K392JJ   | 3.6   | 0.25                                  | 200                              |
|                 | 4700                                | 25           | 45             | EETUQ1K472JJ   | 4.1   | 0.25                                  | 200                              |
|                 |                                     | 30           | 30             | EETUQ1K472KJ   | 4.1   | 0.25                                  | 200                              |
|                 | 5600                                | 25           | 50             | EETUQ1K562JJ   | 4.6   | 0.25                                  | 200                              |
|                 |                                     | 30           | 35             | EETUQ1K562KJ   | 4.6   | 0.25                                  | 100                              |
|                 |                                     | 35           | 30             | EETUQ1K562LJ   | 4.6   | 0.25                                  | 200                              |
|                 | 6800                                | 30           | 45             | EETUQ1K682KJ   | 5.2   | 0.25                                  | 100                              |
|                 |                                     | 35           | 35             | EETUQ1K682LJ   | 5.2   | 0.25                                  | 100                              |
|                 | 8200                                | 30           | 50             | EETUQ1K822KJ   | 5.8   | 0.25                                  | 100                              |
|                 |                                     | 35           | 40             | EETUQ1K822LJ   | 5.8   | 0.25                                  | 100                              |
| *               | 10000                               | 35           | 45             | EETUQ1K103LJ   | 6.4   | 0.25                                  | 100                              |
| *               | 12000                               | 35           | 50             | EETUQ1K123LJ   | 7.0   | 0.25                                  | 100                              |

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### Standard Products

| W.V.<br>(V. DC) | Cap.<br>(120 Hz)<br>(±20 %)<br>(μF) | Case size    |                | Part No.<br><br>PET sleeve<br>Terminal Length<br>4.0 mm<br>(Without Top Plate) | Specification  |                                       | Min. Packaging Q'ty<br><br>(pcs) |
|-----------------|-------------------------------------|--------------|----------------|--|--|---------------------------------------|----------------------------------|
|                 |                                     | Dia.<br>(mm) | Length<br>(mm) |  | Ripple Current<br>(120 Hz)<br>(+85 °C)<br>(A r.m.s.) | tan δ<br>(120 Hz)<br>(+20 °C)<br>max. |                                  |
| 100             | 1000                                | 22           | 25             | EETUQ2A102HJ   | 2.0  | 0.25                                  | 200                              |
|                 | 1200                                | 22           | 30             | EETUQ2A122HJ   | 2.3  | 0.25                                  | 200                              |
|                 |                                     | 25           | 25             | EETUQ2A122JJ   | 2.3  | 0.25                                  | 200                              |
|                 | 1500                                | 22           | 30             | EETUQ2A152HJ   | 2.6  | 0.25                                  | 200                              |
|                 | 1800                                | 22           | 35             | EETUQ2A182HJ   | 2.8  | 0.25                                  | 200                              |
|                 |                                     | 25           | 30             | EETUQ2A182JJ   | 2.8  | 0.25                                  | 200                              |
|                 | 2200                                | 22           | 45             | EETUQ2A222HJ   | 3.1  | 0.25                                  | 200                              |
|                 |                                     | 25           | 35             | EETUQ2A222JJ   | 3.1  | 0.25                                  | 200                              |
|                 |                                     | 30           | 25             | EETUQ2A222KJ   | 3.1  | 0.25                                  | 200                              |
|                 | 2700                                | 22           | 50             | EETUQ2A272HJ   | 3.7  | 0.25                                  | 200                              |
|                 |                                     | 25           | 40             | EETUQ2A272JJ   | 3.7  | 0.25                                  | 200                              |
|                 |                                     | 30           | 30             | EETUQ2A272KJ   | 3.7  | 0.25                                  | 200                              |
|                 |                                     | 35           | 25             | EETUQ2A272LJ   | 3.7  | 0.25                                  | 200                              |
|                 | 3300                                | 25           | 45             | EETUQ2A332JJ   | 4.1  | 0.25                                  | 200                              |
|                 |                                     | 30           | 35             | EETUQ2A332KJ   | 4.1  | 0.25                                  | 100                              |
|                 | 3900                                | 25           | 50             | EETUQ2A392JJ   | 4.5  | 0.25                                  | 200                              |
|                 |                                     | 30           | 40             | EETUQ2A392KJ   | 4.5  | 0.25                                  | 100                              |
|                 |                                     | 35           | 30             | EETUQ2A392LJ   | 4.5  | 0.25                                  | 200                              |
|                 | 4700                                | 30           | 45             | EETUQ2A472KJ   | 5.1  | 0.25                                  | 100                              |
|                 |                                     | 35           | 35             | EETUQ2A472LJ   | 5.1  | 0.25                                  | 100                              |
| 5600            | 30                                  | 50           | EETUQ2A562KJ   | 5.8  | 0.25   | 100                                   |                                  |
|                 | 35                                  | 40           | EETUQ2A562LJ   | 5.8  | 0.25   | 100                                   |                                  |
| *               | 6800                                | 35           | 45             | EETUQ2A682LJ   | 6.6  | 0.25                                  | 100                              |
| *               | 8200                                | 35           | 50             | EETUQ2A822LJ   | 7.2  | 0.25                                  | 100                              |

Endurance : 85 °C 2000 h, Terminal Pitch : 10 mm

\* When capacitors of  $\phi 35 \times 45L$  and  $\phi 35 \times 50L$  are mounted on PWB, reinforce them with mounting clamp or adhesives.  
(Avoid using adhesives including halogenated compositions.)

### Standard Products

| W.V.<br>(V. DC) | Cap.<br>(120 Hz)<br>(±20 %)<br>(μF) | Case size    |                | Part No.<br>PET sleeve<br>Terminal Length<br>4.0 mm<br>(Without Top Plate) | Specification   |                                       | Min. Packaging Q'ty<br>(pcs) |
|-----------------|-------------------------------------|--------------|----------------|--|---|---------------------------------------|------------------------------|
|                 |                                     | Dia.<br>(mm) | Length<br>(mm) |  | Ripple<br>Current<br>(120 Hz)<br>(+85 °C)<br>(A r.m.s.) | tan δ<br>(120 Hz)<br>(+20 °C)<br>max. |                              |
| 160             | 560                                 | 22           | 25             | EETUQ2C561HJ   | 2.25  | 0.15                                  | 200                          |
|                 | 680                                 | 22           | 30             | EETUQ2C681HJ   | 2.50  | 0.15                                  | 200                          |
|                 | 820                                 | 22           | 35             | EETUQ2C821HJ   | 2.75  | 0.15                                  | 200                          |
|                 | 1000                                | 22           | 40             | EETUQ2C102HJ   | 3.00  | 0.15                                  | 200                          |
|                 |                                     | 25           | 30             | EETUQ2C102JJ   | 3.00  | 0.15                                  | 200                          |
|                 | 1200                                | 22           | 45             | EETUQ2C122HJ   | 3.25  | 0.15                                  | 200                          |
|                 |                                     | 25           | 35             | EETUQ2C122JJ   | 3.25  | 0.15                                  | 200                          |
|                 |                                     | 30           | 25             | EETUQ2C122KJ   | 3.25  | 0.15                                  | 200                          |
|                 | 1500                                | 22           | 50             | EETUQ2C152HJ   | 3.73  | 0.15                                  | 200                          |
|                 |                                     | 25           | 40             | EETUQ2C152JJ   | 3.73  | 0.15                                  | 200                          |
|                 |                                     | 30           | 30             | EETUQ2C152KJ   | 3.73  | 0.15                                  | 200                          |
|                 |                                     | 35           | 25             | EETUQ2C152LJ   | 3.73  | 0.15                                  | 200                          |
|                 | 1800                                | 25           | 45             | EETUQ2C182JJ   | 4.20  | 0.15                                  | 200                          |
|                 |                                     | 30           | 35             | EETUQ2C182KJ   | 4.20  | 0.15                                  | 100                          |
|                 |                                     | 35           | 30             | EETUQ2C182LJ   | 4.20  | 0.15                                  | 200                          |
|                 | 2200                                | 30           | 40             | EETUQ2C222KJ   | 4.78  | 0.15                                  | 100                          |
|                 |                                     | 35           | 35             | EETUQ2C222LJ   | 4.78  | 0.15                                  | 100                          |
|                 | 2700                                | 30           | 45             | EETUQ2C272KJ   | 5.45  | 0.15                                  | 100                          |
|                 |                                     | 35           | 40             | EETUQ2C272LJ   | 5.45  | 0.15                                  | 100                          |
|                 | *                                   | 3300         | 35             | 45   | EETUQ2C332LJ  | 5.75                                  | 0.15                         |
| *               | 3900                                | 35           | 50             | EETUQ2C392LJ   | 6.00  | 0.15                                  | 100                          |
| 180             | 470                                 | 22           | 25             | EETUQ2P471HJ   | 2.08  | 0.15                                  | 200                          |
|                 | 560                                 | 22           | 30             | EETUQ2P561HJ   | 2.25  | 0.15                                  | 200                          |
|                 | 680                                 | 22           | 30             | EETUQ2P681HJ   | 2.50  | 0.15                                  | 200                          |
|                 |                                     | 25           | 25             | EETUQ2P681JJ   | 2.50  | 0.15                                  | 200                          |
|                 | 820                                 | 22           | 35             | EETUQ2P821HJ   | 2.75  | 0.15                                  | 200                          |
|                 |                                     | 25           | 30             | EETUQ2P821JJ   | 2.75  | 0.15                                  | 200                          |
|                 | 1000                                | 22           | 45             | EETUQ2P102HJ   | 3.00  | 0.15                                  | 200                          |
|                 |                                     | 25           | 35             | EETUQ2P102JJ   | 3.00  | 0.15                                  | 200                          |
|                 |                                     | 30           | 25             | EETUQ2P102KJ   | 3.00  | 0.15                                  | 200                          |
|                 | 1200                                | 22           | 50             | EETUQ2P122HJ   | 3.31  | 0.15                                  | 200                          |
|                 |                                     | 25           | 40             | EETUQ2P122JJ   | 3.31  | 0.15                                  | 200                          |
|                 |                                     | 30           | 30             | EETUQ2P122KJ   | 3.31  | 0.15                                  | 200                          |
|                 |                                     | 35           | 25             | EETUQ2P122LJ   | 3.31  | 0.15                                  | 200                          |
|                 | 1500                                | 25           | 45             | EETUQ2P152JJ   | 3.83  | 0.15                                  | 200                          |
|                 |                                     | 30           | 35             | EETUQ2P152KJ   | 3.83  | 0.15                                  | 100                          |
|                 |                                     | 35           | 30             | EETUQ2P152LJ   | 3.83  | 0.15                                  | 200                          |
|                 | 1800                                | 25           | 50             | EETUQ2P182JJ   | 4.32  | 0.15                                  | 200                          |
|                 |                                     | 30           | 40             | EETUQ2P182KJ   | 4.32  | 0.15                                  | 100                          |
|                 |                                     | 35           | 30             | EETUQ2P182LJ   | 4.32  | 0.15                                  | 200                          |
|                 | 2200                                | 30           | 45             | EETUQ2P222KJ   | 4.92  | 0.15                                  | 100                          |
| 35              |                                     | 40           | EETUQ2P222LJ   | 4.92   | 0.15  | 100                                   |                              |
| 2700            | 30                                  | 50           | EETUQ2P272KJ   | 5.52   | 0.15  | 100                                   |                              |
|                 | 35                                  | 45           | EETUQ2P272LJ   | 5.52   | 0.15  | 100                                   |                              |
| *               | 3300                                | 35           | 50             | EETUQ2P332LJ   | 5.75  | 0.15                                  | 100                          |

Endurance : 85 °C 2000 h, Terminal Pitch : 10 mm

\* When capacitors of φ35×45L and φ35×50L are mounted on PWB, reinforce them with mounting clamp or adhesives.  
(Avoid using adhesives including halogenated compositions.)

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Should a safety concern arise regarding this product, please be sure to contact us immediately.

### Standard Products

| W.V.<br>(V. DC) | Cap.<br>(120 Hz)<br>(±20 %)<br>(μF) | Case size    |                | Part No.<br>PET sleeve<br>Terminal Length<br>4.0 mm<br>(Without Top Plate) | Specification   |                                       | Min. Packaging Q'ty<br>(pcs) |
|-----------------|-------------------------------------|--------------|----------------|--|---|---------------------------------------|------------------------------|
|                 |                                     | Dia.<br>(mm) | Length<br>(mm) |  | Ripple<br>Current<br>(120 Hz)<br>(+85 °C)<br>(A r.m.s.) | tan δ<br>(120 Hz)<br>(+20 °C)<br>max. |                              |
| 200             | 390                                 | 22           | 25             | EETUQ2D391HJ   | 1.68  | 0.15                                  | 200                          |
|                 | 470                                 | 22           | 30             | EETUQ2D471HJ   | 1.85  | 0.15                                  | 200                          |
|                 | 560                                 | 22           | 30             | EETUQ2D561HJ   | 2.43  | 0.15                                  | 200                          |
|                 |                                     | 25           | 25             | EETUQ2D561JJ   | 2.43  | 0.15                                  | 200                          |
|                 | 680                                 | 22           | 35             | EETUQ2D681HJ   | 2.68  | 0.15                                  | 200                          |
|                 |                                     | 25           | 30             | EETUQ2D681JJ   | 2.68  | 0.15                                  | 200                          |
|                 | 820                                 | 22           | 40             | EETUQ2D821HJ   | 2.93  | 0.15                                  | 200                          |
|                 |                                     | 25           | 30             | EETUQ2D821JJ   | 2.93  | 0.15                                  | 200                          |
|                 |                                     | 30           | 25             | EETUQ2D821KJ   | 2.93  | 0.15                                  | 200                          |
|                 | 1000                                | 22           | 45             | EETUQ2D102HJ   | 3.25  | 0.15                                  | 200                          |
|                 |                                     | 25           | 35             | EETUQ2D102JJ   | 3.25  | 0.15                                  | 200                          |
|                 |                                     | 30           | 30             | EETUQ2D102KJ   | 3.25  | 0.15                                  | 200                          |
|                 |                                     | 35           | 25             | EETUQ2D102LJ   | 3.25  | 0.15                                  | 200                          |
|                 | 1200                                | 22           | 50             | EETUQ2D122HJ   | 3.50  | 0.15                                  | 200                          |
|                 |                                     | 25           | 40             | EETUQ2D122JJ   | 3.50  | 0.15                                  | 200                          |
|                 |                                     | 30           | 30             | EETUQ2D122KJ   | 3.50  | 0.15                                  | 200                          |
|                 | 1500                                | 25           | 50             | EETUQ2D152JJ   | 3.87  | 0.15                                  | 200                          |
|                 |                                     | 30           | 35             | EETUQ2D152KJ   | 3.87  | 0.15                                  | 100                          |
|                 |                                     | 35           | 30             | EETUQ2D152LJ   | 3.87  | 0.15                                  | 200                          |
|                 | 1800                                | 30           | 45             | EETUQ2D182KJ   | 4.32  | 0.15                                  | 100                          |
| 35              |                                     | 35           | EETUQ2D182LJ   | 4.32   | 0.15  | 100                                   |                              |
| 2200            | 30                                  | 50           | EETUQ2D222KJ   | 4.92   | 0.15  | 100                                   |                              |
|                 | 35                                  | 40           | EETUQ2D222LJ   | 4.92   | 0.15  | 100                                   |                              |
| *               | 2700                                | 35           | 50             | EETUQ2D272LJ   | 5.45  | 0.15                                  | 100                          |
| 220             | 330                                 | 22           | 25             | EETUQ2Q331HJ   | 1.58  | 0.15                                  | 200                          |
|                 | 470                                 | 22           | 30             | EETUQ2Q471HJ   | 1.99  | 0.15                                  | 200                          |
|                 |                                     | 25           | 25             | EETUQ2Q471JJ   | 1.99  | 0.15                                  | 200                          |
|                 | 560                                 | 22           | 35             | EETUQ2Q561HJ   | 2.28  | 0.15                                  | 200                          |
|                 |                                     | 25           | 30             | EETUQ2Q561JJ   | 2.28  | 0.15                                  | 200                          |
|                 | 680                                 | 22           | 35             | EETUQ2Q681HC   | 2.46  | 0.15                                  | 200                          |
|                 |                                     | 22           | 40             | EETUQ2Q681HJ   | 2.46  | 0.15                                  | 200                          |
|                 |                                     | 25           | 30             | EETUQ2Q681JJ   | 2.46  | 0.15                                  | 200                          |
|                 |                                     | 30           | 25             | EETUQ2Q681KJ   | 2.46  | 0.15                                  | 200                          |
|                 | 820                                 | 22           | 45             | EETUQ2Q821HJ   | 2.81  | 0.15                                  | 200                          |
|                 |                                     | 25           | 35             | EETUQ2Q821JJ   | 2.81  | 0.15                                  | 200                          |
|                 | 1000                                | 25           | 45             | EETUQ2Q102JJ   | 3.29  | 0.15                                  | 200                          |
|                 |                                     | 30           | 30             | EETUQ2Q102KJ   | 3.29  | 0.15                                  | 200                          |
|                 | 1200                                | 25           | 50             | EETUQ2Q122JJ   | 3.60  | 0.15                                  | 200                          |
|                 |                                     | 30           | 35             | EETUQ2Q122KJ   | 3.60  | 0.15                                  | 100                          |
|                 |                                     | 35           | 30             | EETUQ2Q122LJ   | 3.60  | 0.15                                  | 200                          |
|                 | 1500                                | 30           | 45             | EETUQ2Q152KJ   | 3.92  | 0.15                                  | 100                          |
|                 |                                     | 35           | 35             | EETUQ2Q152LJ   | 3.92  | 0.15                                  | 100                          |
|                 | 1800                                | 30           | 50             | EETUQ2Q182KJ   | 4.30  | 0.15                                  | 100                          |
|                 |                                     | 35           | 40             | EETUQ2Q182LJ   | 4.30  | 0.15                                  | 100                          |
| *               | 2200                                | 35           | 50             | EETUQ2Q222LJ   | 4.95  | 0.15                                  | 100                          |

Endurance : 85 °C 2000 h, Terminal Pitch : 10 mm

\* When capacitors of φ35×45L and φ35×50L are mounted on PWB, reinforce them with mounting clamp or adhesives. (Avoid using adhesives including halogenated compositions.)

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### Standard Products

| W.V.<br>(V. DC) | Cap.<br>(120 Hz)<br>(±20 %)<br>(μF) | Case size    |                | Part No.<br>PET sleeve<br>Terminal Length<br>4.0 mm<br>(Without Top Plate) | Specification  |                                       | Min. Packaging Q'ty<br><br>(pcs) |
|-----------------|-------------------------------------|--------------|----------------|--|--|---------------------------------------|----------------------------------|
|                 |                                     | Dia.<br>(mm) | Length<br>(mm) |  | Ripple Current<br>(120 Hz)<br>(+85 °C)<br>(A r.m.s.) | tan δ<br>(120 Hz)<br>(+20 °C)<br>max. |                                  |
| 250             | 270                                 | 22           | 25             | EETUQ2E271HJ   | 1.31   | 0.15                                  | 200                              |
|                 | 330                                 | 22           | 30             | EETUQ2E331HJ   | 1.75   | 0.15                                  | 200                              |
|                 | 390                                 | 22           | 30             | EETUQ2E391HJ   | 1.91   | 0.15                                  | 200                              |
|                 |                                     | 25           | 25             | EETUQ2E391JJ   | 1.91   | 0.15                                  | 200                              |
|                 | 470                                 | 22           | 35             | EETUQ2E471HJ   | 2.11   | 0.15                                  | 200                              |
|                 |                                     | 25           | 30             | EETUQ2E471JJ   | 2.11   | 0.15                                  | 200                              |
|                 | 560                                 | 22           | 40             | EETUQ2E561HJ   | 2.25   | 0.15                                  | 200                              |
|                 |                                     | 25           | 30             | EETUQ2E561JJ   | 2.25   | 0.15                                  | 200                              |
|                 |                                     | 30           | 25             | EETUQ2E561KJ   | 2.25   | 0.15                                  | 200                              |
|                 | 680                                 | 22           | 45             | EETUQ2E681HJ   | 2.50   | 0.15                                  | 200                              |
|                 |                                     | 25           | 35             | EETUQ2E681JJ   | 2.50   | 0.15                                  | 200                              |
|                 |                                     | 30           | 30             | EETUQ2E681KJ   | 2.50   | 0.15                                  | 200                              |
|                 | 820                                 | 22           | 50             | EETUQ2E821HJ   | 2.77   | 0.15                                  | 200                              |
|                 |                                     | 25           | 40             | EETUQ2E821JJ   | 2.77   | 0.15                                  | 200                              |
|                 |                                     | 30           | 30             | EETUQ2E821KJ   | 2.77   | 0.15                                  | 200                              |
|                 |                                     | 35           | 25             | EETUQ2E821LJ   | 2.77   | 0.15                                  | 200                              |
|                 | 1000                                | 25           | 45             | EETUQ2E102JJ   | 3.32   | 0.15                                  | 200                              |
|                 |                                     | 30           | 35             | EETUQ2E102KJ   | 3.32   | 0.15                                  | 100                              |
|                 |                                     | 35           | 30             | EETUQ2E102LJ   | 3.32   | 0.15                                  | 200                              |
|                 | 1200                                | 30           | 40             | EETUQ2E122KJ   | 3.53   | 0.15                                  | 100                              |
| 35              |                                     | 35           | EETUQ2E122LJ   | 3.53   | 0.15   | 100                                   |                                  |
| 1500            | 30                                  | 50           | EETUQ2E152KJ   | 4.04   | 0.15   | 100                                   |                                  |
|                 | 35                                  | 40           | EETUQ2E152LJ   | 4.04   | 0.15   | 100                                   |                                  |
| *               | 1800                                | 35           | 45             | EETUQ2E182LJ   | 4.55   | 0.15                                  | 100                              |
|                 | 2200                                | 35           | 50             | EETUQ2E222LJ   | 4.75   | 0.15                                  | 100                              |
| 315             | 180                                 | 22           | 25             | EETUQ2F181HJ   | 1.21   | 0.15                                  | 200                              |
|                 | 220                                 | 22           | 30             | EETUQ2F221HJ   | 1.41   | 0.15                                  | 200                              |
|                 | 270                                 | 22           | 30             | EETUQ2F271HJ   | 1.60   | 0.15                                  | 200                              |
|                 | 330                                 | 22           | 40             | EETUQ2F331HJ   | 1.82   | 0.15                                  | 200                              |
|                 |                                     | 25           | 30             | EETUQ2F331JJ   | 1.82   | 0.15                                  | 200                              |
|                 |                                     | 30           | 25             | EETUQ2F331KJ   | 1.82   | 0.15                                  | 200                              |
|                 | 390                                 | 22           | 45             | EETUQ2F391HJ   | 2.01   | 0.15                                  | 200                              |
|                 |                                     | 25           | 35             | EETUQ2F391JJ   | 2.01   | 0.15                                  | 200                              |
|                 |                                     | 30           | 30             | EETUQ2F391KJ   | 2.01   | 0.15                                  | 200                              |
|                 | 470                                 | 22           | 50             | EETUQ2F471HJ   | 2.27   | 0.15                                  | 200                              |
|                 |                                     | 25           | 40             | EETUQ2F471JJ   | 2.27   | 0.15                                  | 200                              |
|                 |                                     | 30           | 30             | EETUQ2F471KJ   | 2.27   | 0.15                                  | 200                              |
|                 |                                     | 35           | 25             | EETUQ2F471LJ   | 2.27   | 0.15                                  | 200                              |
|                 | 560                                 | 25           | 45             | EETUQ2F561JJ   | 2.56   | 0.15                                  | 200                              |
|                 |                                     | 30           | 35             | EETUQ2F561KJ   | 2.56   | 0.15                                  | 100                              |
|                 |                                     | 35           | 30             | EETUQ2F561LJ   | 2.56   | 0.15                                  | 200                              |
|                 | 680                                 | 30           | 40             | EETUQ2F681KJ   | 2.87   | 0.15                                  | 100                              |
|                 |                                     | 35           | 35             | EETUQ2F681LJ   | 2.87   | 0.15                                  | 100                              |
|                 | 820                                 | 30           | 45             | EETUQ2F821KJ   | 3.25   | 0.15                                  | 100                              |
|                 |                                     | 35           | 40             | EETUQ2F821LJ   | 3.25   | 0.15                                  | 100                              |
| 1000            | 30                                  | 50           | EETUQ2F102KJ   | 3.63   | 0.15   | 100                                   |                                  |
|                 | 35                                  | 45           | EETUQ2F102LJ   | 3.63   | 0.15   | 100                                   |                                  |

Endurance : 85 °C 2000 h, Terminal Pitch : 10 mm

\* When capacitors of φ35×45L and φ35×50L are mounted on PWB, reinforce them with mounting clamp or adhesives. (Avoid using adhesives including halogenated compositions.)

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### Standard Products

| W.V.<br>(V. DC) | Cap.<br>(120 Hz)<br>(±20 %)<br>(μF) | Case size    |                | Part No.<br>PET sleeve<br>Terminal Length<br>4.0 mm<br>(Without Top Plate) | Specification   |                                       | Min. Packaging Q'ty<br><br>(pcs) |
|-----------------|-------------------------------------|--------------|----------------|--|---|---------------------------------------|----------------------------------|
|                 |                                     | Dia.<br>(mm) | Length<br>(mm) |  | Ripple<br>Current<br>(120 Hz)<br>(+85 °C)<br>(A r.m.s.) | tan δ<br>(120 Hz)<br>(+20 °C)<br>max. |                                  |
| 350             | 150                                 | 22           | 25             | EETUQ2V151HJ   | 1.12  | 0.15                                  | 200                              |
|                 | 180                                 | 22           | 30             | EETUQ2V181HJ   | 1.22  | 0.15                                  | 200                              |
|                 | 220                                 | 22           | 35             | EETUQ2V221HJ   | 1.44  | 0.15                                  | 200                              |
|                 | 270                                 | 22           | 40             | EETUQ2V271HJ   | 1.66  | 0.15                                  | 200                              |
|                 |                                     | 25           | 30             | EETUQ2V271JJ   | 1.66  | 0.15                                  | 200                              |
|                 | 330                                 | 22           | 45             | EETUQ2V331HJ   | 1.88  | 0.15                                  | 200                              |
|                 |                                     | 25           | 35             | EETUQ2V331JJ   | 1.88  | 0.15                                  | 200                              |
|                 | 390                                 | 22           | 50             | EETUQ2V391HJ   | 2.06  | 0.15                                  | 200                              |
|                 |                                     | 25           | 40             | EETUQ2V391JJ   | 2.06  | 0.15                                  | 200                              |
|                 |                                     | 30           | 30             | EETUQ2V391KJ   | 2.06  | 0.15                                  | 200                              |
|                 |                                     | 35           | 25             | EETUQ2V391LJ   | 2.06  | 0.15                                  | 200                              |
|                 | 470                                 | 25           | 45             | EETUQ2V471JJ   | 2.40  | 0.15                                  | 200                              |
|                 |                                     | 30           | 35             | EETUQ2V471KJ   | 2.40  | 0.15                                  | 100                              |
|                 |                                     | 35           | 30             | EETUQ2V471LJ   | 2.40  | 0.15                                  | 200                              |
|                 | 560                                 | 25           | 50             | EETUQ2V561JJ   | 2.60  | 0.15                                  | 200                              |
|                 |                                     | 30           | 40             | EETUQ2V561KJ   | 2.60  | 0.15                                  | 100                              |
|                 |                                     | 35           | 30             | EETUQ2V561LJ   | 2.60  | 0.15                                  | 200                              |
|                 | 680                                 | 30           | 45             | EETUQ2V681KJ   | 2.96  | 0.15                                  | 100                              |
|                 |                                     | 35           | 35             | EETUQ2V681LJ   | 2.96  | 0.15                                  | 100                              |
|                 | 820                                 | 30           | 50             | EETUQ2V821KJ   | 3.25  | 0.15                                  | 100                              |
|                 |                                     | 35           | 45             | EETUQ2V821LJ   | 3.25  | 0.15                                  | 100                              |
| *               | 1000                                | 35           | 50             | EETUQ2V102LJ   | 3.54  | 0.15                                  | 100                              |
| 400             | * 120                               | 22           | 25             | EETUQ2G121HJ   | 1.02  | 0.15                                  | 200                              |
|                 | 150                                 | 22           | 30             | EETUQ2G151HJ   | 1.16  | 0.15                                  | 200                              |
|                 | 180                                 | 22           | 30             | EETUQ2G181HC   | 1.44  | 0.15                                  | 200                              |
|                 |                                     | 22           | 35             | EETUQ2G181HJ   | 1.44  | 0.15                                  | 200                              |
|                 | 220                                 | 22           | 35             | EETUQ2G221HC   | 1.49  | 0.15                                  | 200                              |
|                 |                                     | 22           | 40             | EETUQ2G221HJ   | 1.49  | 0.15                                  | 200                              |
|                 |                                     | 25           | 30             | EETUQ2G221JJ   | 1.49  | 0.15                                  | 200                              |
|                 | 270                                 | 22           | 45             | EETUQ2G271HJ   | 1.67  | 0.15                                  | 200                              |
|                 |                                     | 25           | 35             | EETUQ2G271JJ   | 1.67  | 0.15                                  | 200                              |
|                 |                                     | 30           | 25             | EETUQ2G271KC   | 1.67  | 0.15                                  | 200                              |
|                 |                                     | 30           | 30             | EETUQ2G271KJ   | 1.67  | 0.15                                  | 200                              |
|                 | 330                                 | 22           | 50             | EETUQ2G331HJ   | 1.90  | 0.15                                  | 200                              |
|                 |                                     | 25           | 40             | EETUQ2G331JJ   | 1.90  | 0.15                                  | 200                              |
|                 |                                     | 30           | 30             | EETUQ2G331KJ   | 1.90  | 0.15                                  | 200                              |
|                 |                                     | 35           | 25             | EETUQ2G331LJ   | 1.90  | 0.15                                  | 200                              |
|                 | 390                                 | 25           | 45             | EETUQ2G391JJ   | 2.13  | 0.15                                  | 200                              |
|                 |                                     | 30           | 35             | EETUQ2G391KJ   | 2.13  | 0.15                                  | 100                              |
|                 |                                     | 35           | 30             | EETUQ2G391LJ   | 2.13  | 0.15                                  | 200                              |
|                 | 470                                 | 25           | 50             | EETUQ2G471JJ   | 2.39  | 0.15                                  | 200                              |
|                 |                                     | 30           | 40             | EETUQ2G471KJ   | 2.39  | 0.15                                  | 100                              |
|                 |                                     | 35           | 30             | EETUQ2G471LJ   | 2.39  | 0.15                                  | 200                              |
| 560             | 30                                  | 45           | EETUQ2G561KJ   | 2.69   | 0.15  | 100                                   |                                  |
|                 | 35                                  | 35           | EETUQ2G561LJ   | 2.69   | 0.15  | 100                                   |                                  |
| 680             | 30                                  | 50           | EETUQ2G681KJ   | 2.96   | 0.15  | 100                                   |                                  |
|                 | 35                                  | 40           | EETUQ2G681LC   | 2.96   | 0.15  | 100                                   |                                  |
| *               | 820                                 | 35           | 45             | EETUQ2G821LC   | 3.25  | 0.15                                  | 100                              |
|                 |                                     | 35           | 50             | EETUQ2G821LJ   | 3.25  | 0.15                                  | 100                              |

Endurance : 85 °C 2000 h, Terminal Pitch : 10 mm

\* When capacitors of φ35×45L and φ35×50L are mounted on PWB, reinforce them with mounting clamp or adhesives.  
(Avoid using adhesives including halogenated compositions.)

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.  
Should a safety concern arise regarding this product, please be sure to contact us immediately.

### Standard Products

| W.V.<br>(V. DC) | Cap.<br>(120 Hz)<br>(±20 %)<br>(μF) | Case size    |                | Part No.<br><br>PET sleeve<br>Terminal Length<br>4.0 mm<br>(Without Top Plate) | Specification   |                                       | Min. Packaging Q'ty<br><br>(pcs) |
|-----------------|-------------------------------------|--------------|----------------|--|---|---------------------------------------|----------------------------------|
|                 |                                     | Dia.<br>(mm) | Length<br>(mm) |  | Ripple<br>Current<br>(120 Hz)<br>(+85 °C)<br>(A r.m.s.) | tan δ<br>(120 Hz)<br>(+20 °C)<br>max. |                                  |
| 420             | 120                                 | 22           | 25             | EETUQ2S121HJ   | 1.08  | 0.15                                  | 200                              |
|                 | 150                                 | 22           | 30             | EETUQ2S151HJ   | 1.30  | 0.15                                  | 200                              |
|                 |                                     | 25           | 25             | EETUQ2S151JJ   | 1.30  | 0.15                                  | 200                              |
|                 | 180                                 | 22           | 35             | EETUQ2S181HJ   | 1.48  | 0.15                                  | 200                              |
|                 |                                     | 25           | 30             | EETUQ2S181JJ   | 1.48  | 0.15                                  | 200                              |
|                 | 220                                 | 22           | 40             | EETUQ2S221HJ   | 1.65  | 0.15                                  | 200                              |
|                 |                                     | 25           | 35             | EETUQ2S221JJ   | 1.65  | 0.15                                  | 200                              |
|                 |                                     | 30           | 25             | EETUQ2S221KJ   | 1.65  | 0.15                                  | 200                              |
|                 | 270                                 | 22           | 45             | EETUQ2S271HJ   | 1.94  | 0.15                                  | 200                              |
|                 |                                     | 25           | 35             | EETUQ2S271JC   | 1.94  | 0.15                                  | 200                              |
|                 |                                     | 25           | 40             | EETUQ2S271JJ   | 1.94  | 0.15                                  | 200                              |
|                 |                                     | 30           | 30             | EETUQ2S271KJ   | 1.94  | 0.15                                  | 200                              |
|                 | 330                                 | 25           | 45             | EETUQ2S331JJ   | 2.17  | 0.15                                  | 200                              |
|                 |                                     | 30           | 30             | EETUQ2S331KJ   | 2.17  | 0.15                                  | 200                              |
|                 |                                     | 35           | 25             | EETUQ2S331LJ   | 2.17  | 0.15                                  | 200                              |
|                 | 390                                 | 25           | 50             | EETUQ2S391JJ   | 2.27  | 0.15                                  | 200                              |
|                 |                                     | 30           | 35             | EETUQ2S391KJ   | 2.27  | 0.15                                  | 100                              |
|                 |                                     | 35           | 30             | EETUQ2S391LJ   | 2.27  | 0.15                                  | 200                              |
|                 | 470                                 | 30           | 40             | EETUQ2S471KJ   | 2.61  | 0.15                                  | 100                              |
|                 |                                     | 35           | 35             | EETUQ2S471LJ   | 2.61  | 0.15                                  | 100                              |
| 560             | 30                                  | 45           | EETUQ2S561KJ   | 2.82   | 0.15  | 100                                   |                                  |
|                 | 35                                  | 40           | EETUQ2S561LJ   | 2.82   | 0.15  | 100                                   |                                  |
| *               | 680                                 | 30           | 50             | EETUQ2S681KC   | 3.11  | 0.15                                  | 100                              |
|                 |                                     | 35           | 45             | EETUQ2S681LJ   | 3.11  | 0.15                                  | 100                              |
| *               | 820                                 | 35           | 50             | EETUQ2S821LJ   | 3.30  | 0.15                                  | 100                              |

Endurance : 85 °C 2000 h, Terminal Pitch : 10 mm

\* When capacitors of  $\phi 35 \times 45L$  and  $\phi 35 \times 50L$  are mounted on PWB, reinforce them with mounting clamp or adhesives.  
(Avoid using adhesives including halogenated compositions.)

### Standard Products

| W.V.<br>(V. DC) | Cap.<br>(120 Hz)<br>(±20 %)<br>(μF) | Case size    |                | Part No.<br><br>PET sleeve<br>Terminal Length<br>4.0 mm<br>(Without Top Plate) | Specification  |                                       | Min. Packaging Q'ty<br><br>(pcs) |     |
|-----------------|-------------------------------------|--------------|----------------|--|--|---------------------------------------|----------------------------------|-----|
|                 |                                     | Dia.<br>(mm) | Length<br>(mm) |  | Ripple Current<br>(120 Hz)<br>(+85 °C)<br>(A r.m.s.) | tan δ<br>(120 Hz)<br>(+20 °C)<br>max. |                                  |     |
| 450             | 82                                  | 22           | 25             | EETUQ2W820HJ   | 0.83   | 0.15                                  | 200                              |     |
|                 | 100                                 | 22           | 25             | EETUQ2W101HJ   | 0.93   | 0.15                                  | 200                              |     |
|                 | 120                                 | 22           | 30             | EETUQ2W121HJ   | 1.04   | 0.15                                  | 200                              |     |
|                 | 150                                 | 150          | 22             | 30   | EETUQ2W151HC   | 1.19                                  | 0.15                             | 200 |
|                 |                                     |              | 22             | 35   | EETUQ2W151HJ   | 1.19                                  | 0.15                             | 200 |
|                 |                                     |              | 25             | 25   | EETUQ2W151JC   | 1.19                                  | 0.15                             | 200 |
|                 |                                     |              | 25             | 30   | EETUQ2W151JJ   | 1.19                                  | 0.15                             | 200 |
|                 | 180                                 | 180          | 22             | 35   | EETUQ2W181HC   | 1.35                                  | 0.15                             | 200 |
|                 |                                     |              | 22             | 40   | EETUQ2W181HJ   | 1.35                                  | 0.15                             | 200 |
|                 |                                     |              | 25             | 30   | EETUQ2W181JJ   | 1.35                                  | 0.15                             | 200 |
|                 | 220                                 | 220          | 22             | 45   | EETUQ2W221HJ   | 1.55                                  | 0.15                             | 200 |
|                 |                                     |              | 25             | 35   | EETUQ2W221JC   | 1.55                                  | 0.15                             | 200 |
|                 |                                     |              | 25             | 40   | EETUQ2W221JJ   | 1.55                                  | 0.15                             | 200 |
|                 |                                     |              | 30             | 25   | EETUQ2W221KC   | 1.55                                  | 0.15                             | 200 |
|                 |                                     |              | 30             | 30   | EETUQ2W221KJ   | 1.55                                  | 0.15                             | 200 |
|                 |                                     |              | 35             | 25   | EETUQ2W221LJ   | 1.55                                  | 0.15                             | 200 |
|                 | 270                                 | 270          | 22             | 50   | EETUQ2W271HJ   | 1.78                                  | 0.15                             | 200 |
|                 |                                     |              | 25             | 40   | EETUQ2W271JJ   | 1.78                                  | 0.15                             | 200 |
|                 |                                     |              | 30             | 30   | EETUQ2W271KJ   | 1.78                                  | 0.15                             | 200 |
|                 |                                     |              | 35             | 25   | EETUQ2W271LC   | 1.78                                  | 0.15                             | 200 |
|                 | 330                                 | 330          | 25             | 45   | EETUQ2W331JC   | 2.01                                  | 0.15                             | 200 |
| 25              |                                     |              | 50             | EETUQ2W331JJ   | 2.01   | 0.15                                  | 200                              |     |
| 30              |                                     |              | 35             | EETUQ2W331KC   | 2.01   | 0.15                                  | 100                              |     |
| 30              |                                     |              | 40             | EETUQ2W331KJ   | 2.01   | 0.15                                  | 100                              |     |
| 35              |                                     |              | 30             | EETUQ2W331LJ   | 2.01   | 0.15                                  | 200                              |     |
| 390             | 390                                 | 30           | 40             | EETUQ2W391KJ   | 2.24   | 0.15                                  | 100                              |     |
|                 |                                     | 35           | 30             | EETUQ2W391LC   | 2.24   | 0.15                                  | 200                              |     |
|                 |                                     | 35           | 35             | EETUQ2W391LJ   | 2.24   | 0.15                                  | 100                              |     |
| 470             | 470                                 | 30           | 45             | EETUQ2W471KJ   | 2.53   | 0.15                                  | 100                              |     |
|                 |                                     | 35           | 35             | EETUQ2W471LC   | 2.53   | 0.15                                  | 100                              |     |
|                 |                                     | 35           | 40             | EETUQ2W471LJ   | 2.53   | 0.15                                  | 100                              |     |
| *               | 560                                 | 30           | 50             | EETUQ2W561KJ   | 2.82   | 0.15                                  | 100                              |     |
|                 |                                     | 35           | 40             | EETUQ2W561LC   | 2.82   | 0.15                                  | 100                              |     |
| *               | 680                                 | 35           | 45             | EETUQ2W681LJ   | 2.82   | 0.15                                  | 100                              |     |
|                 | 680                                 | 35           | 45             | EETUQ2W681LC   | 3.00   | 0.15                                  | 100                              |     |

Endurance : 85 °C 2000 h, Terminal Pitch : 10 mm

\* When capacitors of φ35×45L and φ35×50L are mounted on PWB, reinforce them with mounting clamp or adhesives.  
(Avoid using adhesives including halogenated compositions.)