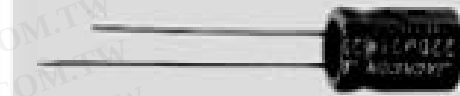


JACKCON Electrolytic Capacitors

LEK Series 105°C LOW ESR 製品系列

Features

- Used in mother board, computer peripheral, etc.
- Load life 2000–5000 Hrs at 105°C
- Safety vent construction design.
- For detail specifications, please refer to Engineering Bulletin No.E127



勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Specifications

Item	Performance Characteristics																											
Operating Temperature Range	-40 to +105℃																											
Rated voltage Range	6.3 to 100 VDC																											
Capacitance Range	4.7 to 4700 uF																											
Capacitance Tolerance	±20%(120Hz, +20℃)																											
Leakage Current(+20℃, max.)	1≤0.001 CV or 3 (uA) After 2 minutes, whichever is greater measured with rated working voltage applied.																											
Dissipation Factor(tanδ)	<table><tr><td>Working Voltage (VDC)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td></tr><tr><td>D.F.(%)max</td><td>22</td><td>19</td><td>16</td><td>14</td><td>12</td><td>10</td><td>9</td><td>8</td></tr></table> For capacitance>1000uF, add 2% per another 1000uF in crease. (+20℃, at 120Hz)	Working Voltage (VDC)	6.3	10	16	25	35	50	63	100	D.F.(%)max	22	19	16	14	12	10	9	8									
Working Voltage (VDC)	6.3	10	16	25	35	50	63	100																				
D.F.(%)max	22	19	16	14	12	10	9	8																				
Low Temperature Characteristics (120Hz)	Impedance ratio max. <table><tr><td>Working Voltage (VDC)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td></tr><tr><td>Z-25℃/Z+20℃</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td></tr><tr><td>Z-40℃/Z+20℃</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td></tr></table>	Working Voltage (VDC)	6.3	10	16	25	35	50	63	100	Z-25℃/Z+20℃	2	2	2	2	2	2	2	2	Z-40℃/Z+20℃	3	3	3	3	3	3	3	3
Working Voltage (VDC)	6.3	10	16	25	35	50	63	100																				
Z-25℃/Z+20℃	2	2	2	2	2	2	2	2																				
Z-40℃/Z+20℃	3	3	3	3	3	3	3	3																				
Load Life	Test conditions Duration time :2000Hrs Ambient temperature: +105℃ Applied voltage: Rated DC working voltage After test requirements at +20% Capacitance change: ±≤20% of the initial measured value Dissipation Factor: ≤200% of the initial specified value Leakage current: ≤The initial specified value																											
Shelf Life	Test conditions Duration time :500Hrs Ambient temperature: +105℃ Applied voltage: None After test requirements at +20℃: Some limits as Load life. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.																											

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Multiplier for Ripple Current vs. Frequency

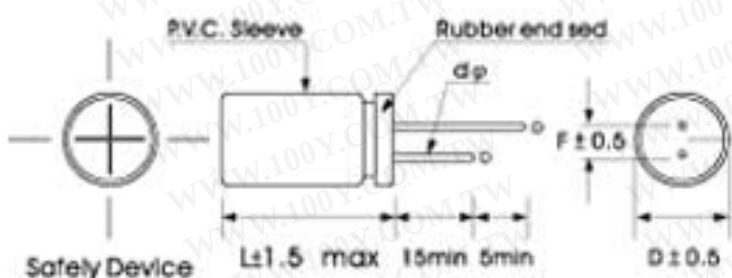
CAP(μF)/Hz	50(60)	120	400	1K	10K	50K-100K
Multiplier						
CAP≤10	0.47	0.59	0.76	0.85	0.97	1.0
10<CAP≤100	0.52	0.62	0.80	0.89	0.97	1.0
100<CAP≤1000	0.58	0.72	0.84	0.90	0.98	1.0
1000<CAP	0.63	0.78	0.87	0.91	0.98	1.0

Multiplier for ripple current vs. Temperature

Temperature℃	45	60	70	85	95	105
Multiplier	1.8	1.50	1.30	1.0	1.20	1.0

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Diagram of Dimensions (Unit:mm)



Dφ	5	6.3	8	10	13	16	18
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
dφ		0.5		0.6		0.8	

Case Size

W.V.(SV)		φDXL(mm)						
uF	6.3 (8)	10 (13)	16 (20)	25 (32)	35 (44)	50 (63)	63 (79)	100 (125)
4.7	→						5X11	5X11
10	→						5X11	6.3X11
22	→					5X11	6.3X11	8X11.5
33	→				5X11	6.3X11	6.3X11	8X16
47	→			5X11	6.3X11	8X11.5	8X11.5	10X12.5
100	5X11	5X11	6.3X11	6.3X11	8X11.5	8X11.5	10X12.5	10X25
220	6.3X11	6.3X11	8X11.5	8X11.5	8X16 10X12.5	10X16	10X25	13X30 16X20
330	6.3X11	8X11.5	8X11.5	8X16 10X12.5	10X16	10X25	13X25	13X40
470	8X11.5	8X11.5	8X16 10X12.5	8X20 10X16	10X20	13X20	13X30 16X20	16X35.5 18X31.5
1000	10X12.5	8X20 10X16	10X20	13X20	13X25	16X25	16X35.5 18X31.5	-
2200	10X25	13X20	13X25	13X25	-	-	-	-
3300	13X20	13X25	13X25	-	-	-	-	-
4700	13X30	13X35	-	-	-	-	-	-

(mA, 100K Hz at +105°C)

(Ω , 100K Hz at +105°C)

[illegible]