

VX Standard, For General Purposes - Axial Lead Type
(02 type) series



Anti-Solvent
Feature
(Through 100V only)

- Axial lead type of standard series for general purposes.

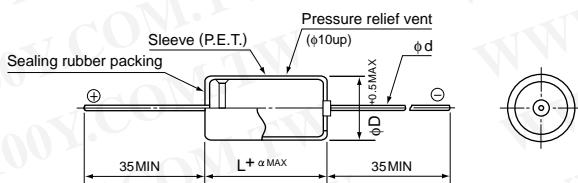
勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



Specifications

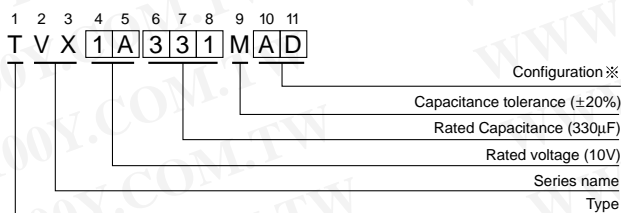
Item	Performance Characteristics	
Category Temperature Range	-40 ~ +85°C (6.3 ~ 250V), -25 ~ +85°C (315 ~ 450V)	
Rated Voltage Range	6.3 ~ 450V	
Rated Capacitance Range	0.47 ~ 10000µF	
Capacitance Tolerance	±20% at 120Hz, 20°C	
Leakage Current	Rated voltage (V)	6.3 ~ 100
	Leakage current	After 1 minute's application of rated voltage, not more than 0.03CV or 4 (µA), whichever is greater. After 2 minutes' application of rated voltage, not more than 0.01CV or 3 (µA), whichever is greater.
tan δ	Rated voltage (V)	160 ~ 450
	Leakage current	In case of CV ≤ 1000 After 1 minute's application of rated voltage, not more than 0.1CV+40 (µA). In case of CV > 1000 After 1 minute's application of rated voltage, not more than 0.04CV+100 (µA).
Stability at Low Temperature	For capacitance of more than 1000µF, add 0.02 for every increase of 1000µF. Measurement frequency : 120Hz, Temperature : 20°C	
	Rated voltage (V)	6.3 10 16 25 35 50 63 ~ 100 160 ~ 315 350 ~ 450
Endurance	tan δ (MAX.)	0.24 0.20 0.16 0.14 0.12 0.10 0.08 0.20 0.25
	Impedance ratio ZT / Z20 (MAX.)	Measurement frequency : 120Hz Rated voltage (V) 6.3 10 16 25 35 ~ 100 160 ~ 250 315 ~ 350 400 ~ 450 Z-25°C / Z+20°C 4 3 2 2 2 4 6 15 Z-40°C / Z+20°C 10 8 6 4 3 12 — —
Shelf Life	Capacitance change	Within ±20% of initial value
	tan δ	200% or less of initial specified value
Marking	Leakage current	Initial specified value or less
	Capacitance change	Within ±20% of initial value
Marking	tan δ	200% or less of initial specified value
	Leakage current	Initial specified value or less
Marking	Printed with white color letter on black sleeve.	

Axial Lead Type



α	(mm)	
	(φD < 10) 1	φD
(φD ≥ 10) 2	φd	0.6 0.8

Type numbering system (Example : 10V 330µF)



※Configuration

φ D	Pb-free leadwire Pb-free PET sleeve	Sn-Pb finished leadwire PVC sleeve (containing Pb)
5 ~ 8	AD	AA
10 ~ 18	CD	CA

※ Please contact to us if other configurations are required.

Please refer to page 19, 20, 21 about the formed or taped product spec.
Please refer to page 3 for the minimum order quantity.

- Dimension table in next page.



■Dimensions

φD×L (mm)

V		6.3	10	16	25	35	50	63	100								
Cap.(μF)	Code	0J	1A	1C	1E	1V	1H	1J	2A								
0.47	R47						5 × 12	5	5 × 12	10							
1	010						5 × 12	10	5 × 12	18							
2.2	2R2						5 × 12	23	5 × 12	28							
3.3	3R3						5 × 12	28	5 × 12	34							
4.7	4R7						5 × 12	34	5 × 12	40							
10	100						5 × 12	50	5 × 12	55							
22	220					5 × 12	70	6.3 × 12	85	6.3 × 12	90						
33	330				5 × 12	80	6.3 × 12	90	6.3 × 16	110	6.3 × 16	120					
47	470			5 × 12	85	6.3 × 12	100	6.3 × 16	120	6.3 × 16	130	8 × 16	160				
100	101	5 × 12	110	6.3 × 12	130	6.3 × 16	160	6.3 × 16	170	8 × 16	210	8 × 16	220	8 × 20	260	10 × 26	340
220	221	6.3 × 16	200	6.3 × 16	210	8 × 16	260	8 × 16	280	8 × 20	340	10 × 21	410	10 × 26	480	13 × 26	560
330	331	6.3 × 16	250	8 × 16	300	8 × 16	320	8 × 20	380	10 × 21	460	10 × 26	560	13 × 26	650	13 × 31.5	750
470	471	8 × 16	330	8 × 16	350	8 × 20	430	10 × 26	510	10 × 26	610	13 × 26	730	13 × 31.5	840	16 × 31.5	970
1000	102	10 × 21	600	10 × 21	640	10 × 26	770	13 × 26	900	13 × 31.5	1060	16 × 31.5	1260	16 × 31.5	1330		
2200	222	13 × 26	1020	13 × 26	1090	13 × 31.5	1180	16 × 31.5	1480	16 × 31.5	1580	18 × 41	1920				
3300	332	13 × 26	1200	13 × 31.5	1390	16 × 31.5	1620	16 × 41.5	1710	16 × 41.5	2050						
4700	472	16 × 31.5	1500	16 × 31.5	1730	16 × 41.5	1840	18 × 41	2170								
6800	682	16 × 31.5	1840	16 × 41.5	1930	18 × 41	2310										
10000	103	16 × 41.5	2260	18 × 41	2350												

V		160	200	250	315	350	400	450	
Cap.(μF)	Code	2C	2D	2E	2F	2V	2G	2W	
1	010	6.3 × 12	13	6.3 × 12	13	6.3 × 16	14	6.3 × 16	14
2.2	2R2	6.3 × 16	23	6.3 × 16	23	8 × 16	27	8 × 16	27
3.3	3R3	8 × 16	33	8 × 16	33	8 × 16	33	8 × 20	36
4.7	4R7	8 × 16	39	8 × 16	39	8 × 20	45	8 × 20	45
10	100	8 × 20	60	10 × 21	70	10 × 21	70	10 × 26	80
22	220	10 × 26	120	13 × 26	140	13 × 26	140	13 × 31.5	150
33	330	13 × 26	170	13 × 26	170	13 × 31.5	190	16 × 31.5	210
47	470	13 × 31.5	230	13 × 31.5	230	16 × 31.5	260	16 × 31.5	260
100	101	16 × 41.5	430	16 × 41.5	430	16 × 41.5	430		

Rated Ripple (mA rms) at 85°C 120Hz

●Frequency coefficient of rated ripple current

V	Cap.(μF)	Frequency(Hz)			
		120	300	1k	10k ~
6.3 ~ 100	~ 47	1.00	1.35	1.57	2.00
	100 ~ 470	1.00	1.23	1.34	1.50
	1000 ~ 10000	1.00	1.10	1.13	1.15
160 ~ 450	1 ~ 100	1.00	1.25	1.40	1.60

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