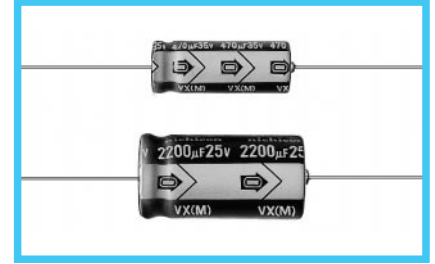


VX Standard, For General Purposes - Axial Lead Type
(02 type) series



Anti-Solvent
Feature
(Through 100V only)

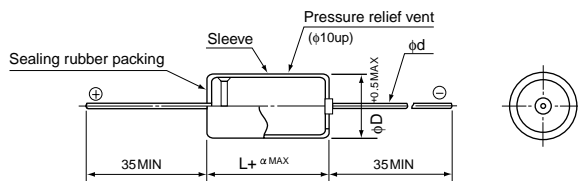
- Axial lead type of standard series for general purposes.



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	<p>After 1 minute's application of rated voltage, not more than 0.03CV or 4 (µA) , whichever is greater.</p> <p>After 2 minutes' application of rated voltage, not more than 0.01CV or 3 (µA) , whichever is greater.</p>																													
tan δ	Rated voltage(V)	160~450																													
	tan δ(MAX.)	<p>In case of CV ≤ 1000 After 1 minute's application of rated voltage, not more than 0.1CV+40 (µA) .</p> <p>In case of CV>1000 After 1 minute's application of rated voltage, not more than 0.04CV+100 (µA) .</p>																													
Stability at Low Temperature	For capacitance of more than 1000µF, add 0.02 for every increase of 1000µF. Measurement frequency : 120Hz, Temperature : 20°C																														
	Impedance ratio ZT/Z20(MAX.)	<table border="1"> <tr> <th>Rated voltage(V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63~100</th> <th>160~315</th> <th>350~450</th> </tr> <tr> <td>Z—25°C/Z+20°C</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.08</td> <td>0.20</td> <td>0.25</td> </tr> <tr> <td>Z—40°C/Z+20°C</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Rated voltage(V)	6.3	10	16	25	35	50	63~100	160~315	350~450	Z—25°C/Z+20°C	0.24	0.20	0.16	0.14	0.12	0.10	0.08	0.20	0.25	Z—40°C/Z+20°C								
Rated voltage(V)	6.3	10	16	25	35	50	63~100	160~315	350~450																						
Z—25°C/Z+20°C	0.24	0.20	0.16	0.14	0.12	0.10	0.08	0.20	0.25																						
Z—40°C/Z+20°C																															
Endurance	After 2000 hours' application of rated voltage at 85°C, capacitors meet the characteristic requirements listed at right.	Capacitance change	Within ±20% of initial value																												
		tan δ	200% or less of initial specified value																												
Shelf Life	After leaving capacitors under no load at 85°C for 1000 hours, they meet the characteristic requirements at right.	Capacitance change	Initial specified value or less																												
		tan δ	200% or less of initial specified value																												
Marking	Printed with white color letter on purple blue sleeve.																														

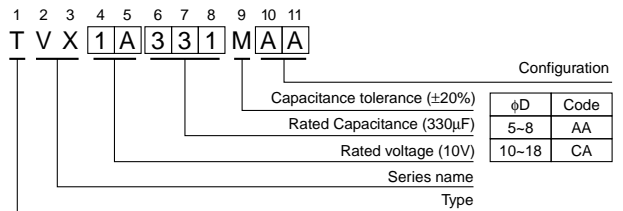
■ Axial Lead Type



α	φD<10	1
	φD ≥ 10	2

φD	5~13	16~18
φd	0.6	0.8

Type numbering system (Example : 10V 330µF)



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

■ Dimension table in next page.



■ Dimensions

D×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	6.3×12	60
22	220									5×12	70	6.3×12	85	6.3×12	90	8×16	120
33	330							5×12	80	6.3×12	90	6.3×16	110	6.3×16	120	8×16	150
47	470					5×12	85	6.3×12	100	6.3×16	120	6.3×16	130	8×16	160	8×20	190
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	6.3×16	12	8×16	14	8×16	14
2.2	2R2	6.3×16	23	6.3×16	23	8×16	27	8×16	27	8×16	24	8×20	28	10×21	31
3.3	3R3	8×16	33	8×16	33	8×16	33	8×20	36	8×20	32	10×21	38	10×21	38
4.7	4R7	8×16	39	8×16	39	8×20	45	8×20	45	10×21	46	10×21	46	10×26	50
10	100	8×20	60	10×21	70	10×21	70	10×26	80	13×26	85	13×26	85	13×26	85
22	220	10×26	120	13×26	140	13×26	140	13×31.5	150	13×31.5	140	16×31.5	150	16×31.5	150
33	330	13×26	170	13×26	170	13×31.5	190	16×31.5	210	16×31.5	190	16×41.5	210	18×41	230
47	470	13×31.5	230	13×31.5	230	16×31.5	260	16×31.5	260	16×41.5	260	18×41	290		
100	101	16×41.5	430	16×41.5	430	16×41.5	430							Case size	Rated ripple

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	~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