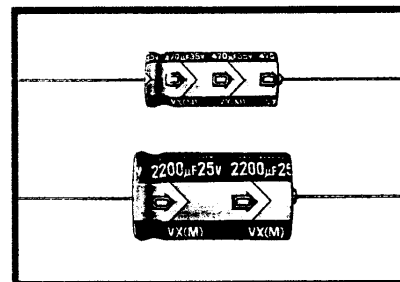


VX

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



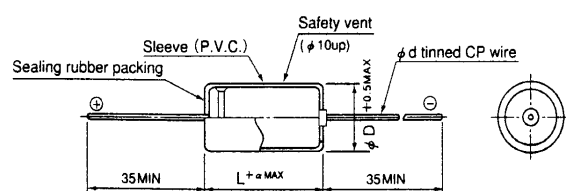
- Axial lead type of standard series for general purposes.



Specifications

Item	Performance Characteristics	
Operating Temperature Range	-40~+85°C (6.3~250V), -25~+85°C (315~450V)	
Voltage Range	6.3~450V	
Capacitance Range	0.47~10000 µF	
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
	tan δ (MAX.)	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 1000 µF, add 0.02 for every increase of 1000 µF.	Measurement frequency: 120Hz, Temperature: 20°C
	Rated voltage (V)	6.3 10 16 25 35 50 63~100 160~315 350~450
Load Life	After 2000 hours' application of rated voltage at 85°C, capacitors meet the characteristics requirements listed at right.	Capacitance change: Within ±20% of initial value tan δ: 200% or less of initial specified value Leakage current: Initial specified value or less
	After leaving capacitors under no load at 85°C for 1000 hours, they meet the requirements at right.	Capacitance change: Within ±20% of initial value tan δ: 200% or less of initial specified value Leakage current: Initial specified value or less
Marking	Printed with white color letter on purple blue sleeve.	
Applicable Standards	JIS C 5141 and JIS C 5102.	

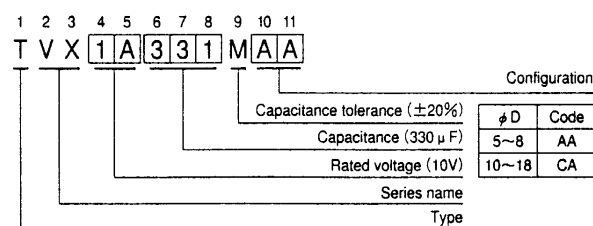
Axial Lead Type



α	(φ D < 10) 1
	(φ D ≥ 10) 2

φ D	5~13	16~18
φ d	0.6	0.8

Type numbering system (Example : 10V 330 µF)



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

- Dimension table in next page.

VX

(02 type) series

■ Dimensions

DXL (mm)

V		6.3		10		16		25		35		50		63		100	
Cap.(μ F)	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	8
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.(μ F)	Code	2C		2D		2E		2F		2V		2G		2W	
1	010	6.3X12	13	6.3X12	13	6.3X16	14	6.3X16	14	6.3X16	12	8X16	14	8X16	14
2.2	2R2	6.3X16	23	6.3X16	23	8X16	27	8X16	27	8X16	24	8X20	28	10X21	31
3.3	3R3	8X16	33	8X16	33	8X16	33	8X20	36	8X20	32	10X21	38	10X21	38
4.7	4R7	8X16	39	8X16	39	8X20	45	8X20	45	10X21	46	10X21	46	10X26	50
10	100	8X20	60	10X21	70	10X21	70	10X26	80	13X26	85	13X26	85	13X26	85
22	220	10X26	120	13X26	140	13X26	140	13X31.5	150	13X31.5	140	16X31.5	150	16X31.5	150
33	330	13X26	170	13X26	170	13X31.5	190	16X31.5	210	16X31.5	190	16X41.5	210	18X41	230
47	470	13X31.5	230	13X31.5	230	16X31.5	260	16X31.5	260	16X41.5	260	18X41	290		Allow- able ripple
100	101	16X41.5	430	16X41.5	430	16X41.5	430							Case size	

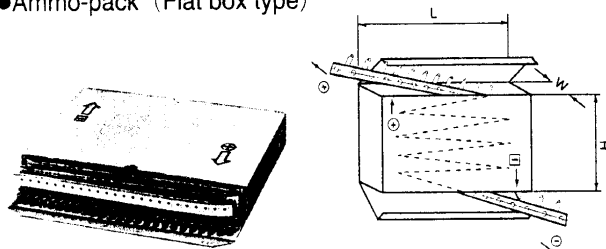
Allowable Ripple (mA rms) at 85°C 120Hz

● Frequency coefficient of allowable 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

Packaging

● Ammo-pack (Flat box type)



(mm)				
L	H	W	Case Size	Qty/Box
340	150	50	3×5	2000
340	200	50	4×5, 4×7	2000
340	250	50	5×5, 5×7	2000
			8×5, 8×7	1000
340	300	50	6.3×5, 6.3×7	2000
340	260	54	4×11, 5×9, 5×11	2000
			8×9, 8×11.5, 8×15	1000
340	200	54	10×9, 10×12.5, 10×15, 10×16	500
340	300	54	6.3×9, 6.3×11, 6.3×15	2000
340	260	62	8×20	1000
340	200	62	10×20	500
340	200	65	10×25	500
330	290	65	12.5×12.5, 12.5×15, 12.5×20	500
			12.5×25	500
			18×15, 18×20, 18×25	250
320	230	65	16×15, 16×20, 16×25	250

● Axial lead type (Applicable standard JIS C0805)

The following code shall be put at 12th ~ 14th digit of the corresponding type number of capacitors. (mm)

Taping Specifications		Case dia (φ)	Taping code	Qty/Reel (pcs.)
Dim. W (Tape distance)	Dim. P (Component Pitch)			
52.4	10	5	1LS	1600
		6.3		1300
		8		1000
63.5	10	5	1LV	1600
		6.3		1300
		8		1000
73.0	10	5	1LY	1600
		6.3		1300
		8		1000
52.4	15	10	1LT	500
		13 (except 31.5L)		350
63.5	15	10	1LW	500
		13		350
73.0	15	10	1LZ	500
		13		350

Please contact us for complete information on the package dimensions for tapes axial lead capacitors.

