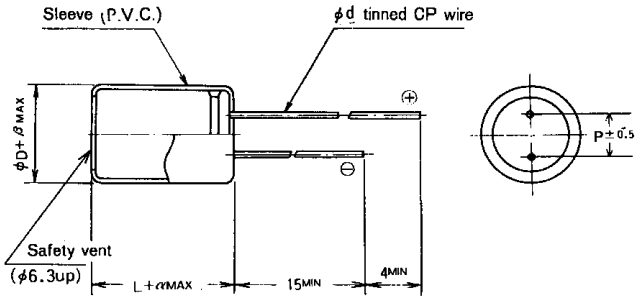
Aluminum Electrolytic Capacitors

UVX Series Radial Capacitors

UVX miniature electrolytic capacitor for general purpose features reduced case size anti-solvent through 100 volts. The **VX Series** is most suitable for electronic equipment when a smaller case size is required. The small case size makes it ideal for use with high speed automatic insertion equipment. **Load life:** 2000 hours at 85° C. Units with Ø 6.3 mm or more are provided with our unique safety case/vent. **Capacitance Tolerance:** ±20% at 120 Hz. 20° C. **Operating Temperature Range:** –40° to +85° C.

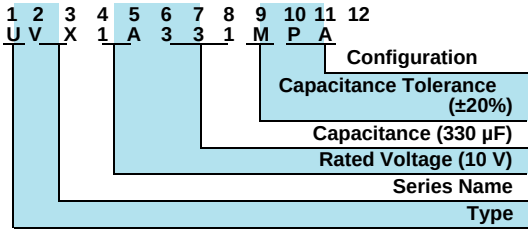
Radial Lead Type



Note: Dimensions are in mm.

	øD	5	6.3	8	10	12.5	16	18	20	22	25
	P	2	2.5	3.5	5	5	7.5	7.5	10	10	12.5
	ød	.5	.5	.6	.6	.6	.8	.8	1	1	1
a	~100 V	1	1	1	1.5	1.5	1.5	1.5	2	2	2
a	160 V~	–	1.5	1.5	2	2	2	2	2	2	2
	ß	.5	.5	.5	.5	.5	.5	.5	1	1	1

Type numbering system (Example: 10 V 33µF)



Configuration	
øD	Code
5	DA
6.3	EA
8 ~ 10	PA
12.5 ~ 18	HA
20	RAY
22	RAZ
25	RAA

Mfr.'s Type	µF	WVDC	Case Size D X L (mm)	Each 1-99	Each 100-499
UVX0J101MDA	100	6.3	5 11	.17	.13
UVX0J221MEA	220		6.3 11	.22	.17
UVX0J471MPA	470		8 11.5	.28	.21
UVX0J102MPA	1000		10 12.5	.46	.35
UVX0J222MHA	2200		12.5 20	.66	.49
UVX1A220MDA	22	10	5 11	.13	.10
UVX1A330MDA	33		5 11	.14	.11
UVX1A470MDA	47		5 11	.14	.11
UVX1A101MDA	100		5 11	.17	.13
UVX1A221MEA	220		6.3 11	.24	.18
UVX1A331MPA	330		8 11.5	.27	.20
UVX1A471MPA	470		8 11.5	.39	.29
UVX1A102MPA	1000		10 16	.46	.35
UVX1A222MHA	2200		12.5 20	.76	.57
UVX1C100MDA	10	16	5 11	.13	.10
UVX1C220MDA	22		5 11	.14	.11
UVX1C330MDA	33		5 11	.14	.11
UVX1C470MDA	47		5 11	.17	.12
UVX1C101MEA	100		6.3 11	.22	.17
UVX1C221MPA	220		8 11.5	.27	.20
UVX1C331MPA	330		8 11.5	.39	.29
UVX1C471MPA	470		10 12.5	.41	.31
UVX1C102MPA	1000		10 20	.57	.42
UVX1C222MHA	2200		12.5 25	1.16	.87
UVX1C332MHA	3300		16 25	1.57	1.17
UVX1C472MHA	4700		16 31.5	2.23	1.68
UVX1E4R7MDA	4.7	25	5 11	.13	.10
UVX1E100MDA	10		5 11	.14	.11
UVX1E220MDA	22		5 11	.17	.12
UVX1E330MDA	33		5 11	.17	.12
UVX1E470MDA	47		5 11	.22	.17
UVX1E101MEA	100		6.3 11	.24	.18
UVX1E221MPA	220		8 11.5	.41	.31
UVX1E331MPA	330		10 12.5	.47	.35
UVX1E471MPA	470		10 16	.57	.42
UVX1E102MHA	1000		12.5 20	.86	.65
UVX1E222MHA	2200		16 25	1.57	1.17
UVX1E332MHA	3300		16 31.5	2.23	1.68
UVX1E472MHA	4700		18 35.5	2.90	2.18
UVX1V4R7MDA	4.7	35	5 11	.13	.10
UVX1V100MDA	10		5 11	.14	.11
UVX1V220MDA	22		5 11	.17	.12
UVX1V330MDA	33		5 11	.22	.17
UVX1V470MEA	47		6.3 11	.22	.17
UVX1V101MPA	100		8 11.5	.27	.20
UVX1V221MPA	220		10 12.5	.46	.35
UVX1V331MPA	330		10 16	.48	.36
UVX1V471MPA	470		10 20	.57	.42
UVX1V102MHA	1000		12.5 25	1.21	.91
UVX1V222MHA	2200		16 31.5	2.22	1.67
UVX1V332MHA	3300		18 35.5	2.90	2.18

Mfr.'s Type	µF	WVDC	Case Size D X L (mm)	Each 1-99	Each 100-499
UVX1H0R1MDA	.1	50	5 11	.13	.10
UVX1HR22MDA	.22		5 11	.13	.10
UVX1HR33MDA	.33		5 11	.13	.10
UVX1HR47MDA	.47		5 11	.13	.10
UVX1H010MDA	1		5 11	.13	.10
UVX1H2R2MDA	2.2		5 11	.13	.10
UVX1H3R3MDA	3.3		5 11	.13	.10
UVX1H4R7MDA	4.7		5 11	.17	.12
UVX1H100MDA	10		5 11	.17	.12
UVX1H220MDA	22		5 11	.22	.16
UVX1H330MEA	33		6.3 11	.24	.18
UVX1H470MEA	47		6.3 11	.24	.18
UVX1H101MPA	100		8 11.5	.39	.29
UVX1H221MPA	220		10 16	.57	.42
UVX1H331MPA	330		10 20	.66	.50
UVX1H471MHA	470		12.5 20	.86	.65
UVX1H102MHA	1000		16 25	1.58	1.18
UVX1H222MHA	2200		18 35.5	2.90	2.18
UVX1J4R7MDA	4.7	63	5 11	.17	.12
UVX1J100MDA	10		5 11	.17	.12
UVX1J220MEA	22		6.3 11	.24	.18
UVX1J330MEA	33		6.3 11	.24	.18
UVX1J470MPA	47		8 11.5	.27	.20
UVX1J101MPA	100		10 12.5	.46	.35
UVX1J221MPA	220		10 20	.66	.50
UVX1J471MHA	470		12.5 25	1.29	.96
UVX1J102MHA	1000		16 31.5	2.11	1.59
UVX1J222MHA	2200		18 40	2.90	2.18
UVX2A010MDA	1	100	5 11	.13	.10
UVX2A2R2MDA	2.2		5 11	.14	.11
UVX2A4R7MDA	4.7		5 11	.17	.12
UVX2A100MPA	10		6.3 11	.25	.19
UVX2A220MPA	22		8 11.5	.28	.21
UVX2A470MPA	47		10 16	.41	.30
UVX2A101MHA	100		12.5 20	.65	.49
UVX2A221MHA	220		16 25	1.12	.84
UVX2A471MHA	470		16 31.5	2.11	1.59

Frequency coefficient of allowable ripple current

V	Cap. (µF) \ Frequency (Hz)	50	120	300	1k	10k~
6.3 ~ 100	~ 47	.75	1.00	1.35	1.57	2.00
	100 ~ 470	.80	1.00	1.23	1.34	1.50
	1000 ~ 33000	.85	1.00	1.10	1.13	1.15