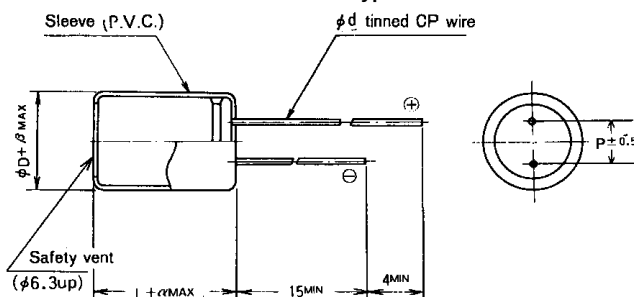


Aluminum Electrolytic Capacitors **nichicon**

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	2	2	2
	160 V~	-	1.5	1.5	2	2	2	2	2	2
β		.5	.5	.5	.5	.5	.5	1	1	1

Type numbering system (Example: 10 V 33μF)

1	2	3	4	5	6	7	8	9	10	11	12
U	V	X	1	A	3	3	1	M	P	A	
Configuration											
Capacitance Tolerance (±20%)											
Capacitance (330 μF)											
Rated Voltage (10 V)											
Series Name											
Type											

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	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
UVX1E477MDA	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
UVX1V477MDA	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	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	63	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		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

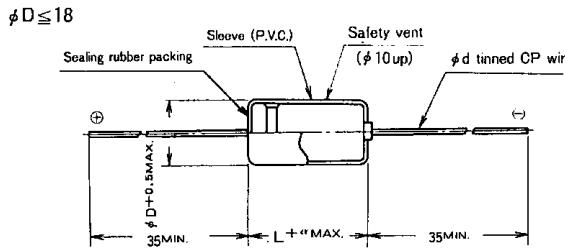
V	Frequency (Hz)	50	120	300	1k	10k~
	Cap. (μF)					
6.3 ~ 100	~ 47	.75	1.00	1.35	1.57	2.00
	100 ~ 470	.80	1.00	1.23	1.34	1.50
	1000 ~ 33000	.85	1.00	1.10	1.13	1.15

TVX Series Axial Capacitors

TVX Compact Series miniature aluminum electrolytic capacitors provide higher component density in solid-state circuitry. Features further miniaturization of both body length and diameter for greater CV density when compared to conventional type aluminum electrolytic lines. **Capacitance:** ±20%. **Operating temperature range:** -40°C to +85°C.

Axial Lead Type

Type numbering system (Example: 10 V 33μF)

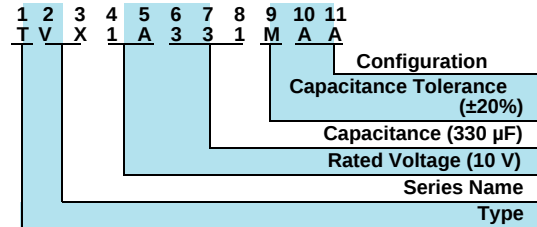


Note: Dimensions are in mm.

φD	5-13	16-25.4
φd	.6	.8

V	6.3-100	160-450
∞	1	2

* ∞ = 2 for φD ≥ 22



Configuration	
φD	Code
5 ~ 8	AA
10 ~ 18	CA
22, 25.4	DA

Mfr.'s Type	μF	WVDC	Case Size D X L (mm)	Each	
				1-99	100-499
TVX0J101MAA	100	6.3	5 × 12	.31	.24
TVX0J221MAA	220		6.3 × 16	.32	.24
TVX0J331MAA	330		6.3 × 16	.43	.32
TVX0J471MAA	470		8 × 16	.45	.34
TVX0J102MCA	1000		10 × 21	.69	.51
TVX1A470MAA	47	10	5 × 12	.25	.19
TVX1A101MAA	100		6.3 × 12	.31	.24
TVX1A221MAA	220		6.3 × 16	.37	.28
TVX1A331MAA	330		8 × 16	.37	.28
TVX1A471MAA	470		8 × 16	.43	.32
TVX1A102MCA	1000	16	10 × 21	.61	.45
TVX1A222MCA	2200		13 × 26	1.11	.83
TVX1C220MAA	22		5 × 12	.25	.19
TVX1C330MAA	33		5 × 12	.27	.20
TVX1C470MAA	47		5 × 12	.31	.24
TVX1C101MAA	100		6.3 × 16	.35	.27
TVX1C221MAA	220		8 × 16	.42	.31
TVX1C331MAA	330		8 × 16	.49	.37
TVX1C471MAA	470		8 × 20	.49	.37
TVX1C102MCA	1000	25	10 × 26	.85	.64
TVX1C222MCA	2200		13 × 31.5	1.28	.96
TVX1C332MCA	3300		16 × 31.5	2.01	1.50
TVX1C472MCA	4700		16 × 41.5	2.73	2.05
TVX1C682MCA	6800		18 × 41	3.19	2.40
TVX1C103MDA	10000	35	22 × 40	4.21	3.16
TVX1C153MDA	15000		22 × 52	5.94	4.46
TVX1E100MAA	10		5 × 12	.25	.19
TVX1E220MAA	22		5 × 12	.27	.20
TVX1E330MAA	33		5 × 12	.31	.24
TVX1E470MAA	47	100	6.3 × 12	.31	.24
TVX1E101MAA	100		6.3 × 16	.37	.28
TVX1E221MAA	220		8 × 16	.43	.32
TVX1E331MAA	330		8 × 20	.50	.38
TVX1E471MCA	470		10 × 26	.71	.54
TVX1E102MCA	1000	160	13 × 26	1.11	.83
TVX1E222MCA	2200		16 × 31.5	2.18	1.63
TVX1E332MCA	3300		16 × 41.5	2.76	2.07
TVX1E472MCA	4700		18 × 41	3.19	2.40
TVX1E103MDA	10000		22 × 52	5.93	4.45
TVX1V100MAA	10	250	5 × 12	.25	.19
TVX1V220MAA	22		5 × 12	.31	.24
TVX1V330MAA	33		6.3 × 12	.31	.24
TVX1V470MAA	47		6.3 × 16	.32	.24
TVX1V101MAA	100		8 × 16	.37	.28
TVX1V221MAA	220	35	8 × 20	.50	.38
TVX1V331MCA	330		10 × 21	.61	.45
TVX1V471MCA	470		10 × 26	.85	.64
TVX1V102MCA	1000		13 × 31.5	1.28	.96
TVX1V222MCA	2200		16 × 31.5	2.56	1.92
TVX1V332MCA	3300	450	16 × 41.5	3.16	2.37
TVX1V472MCA	4700		22 × 40	4.10	3.07
TVX1V103MDA	10000		25.4 × 61	8.03	6.02

Mfr.'s Type	μF	WVDC	Case Size D X L (mm)	Each	
				1-99	100-499
TVX1HR47MAA	.47	50	5 × 12	.25	.19
TVX1H010MAA	1		5 × 12	.25	.19
TVX1H2R2MAA	2.2		5 × 12	.25	.19
TVX1H3R3MAA	3.3		5 × 12	.25	.19
TVX1H4R7MAA	4.7		5 × 12	.25	.19
TVX1H100MAA	10	63	5 × 12	.31	.24
TVX1H220MAA	22		6.3 × 12	.32	.24
TVX1H330MAA	33		6.3 × 16	.32	.24
TVX1H470MAA	47		6.3 × 16	.37	.28
TVX1H101MAA	100		8 × 16	.49	.37
TVX1H221MCA	220	100	10 × 21	.61	.45
TVX1H331MCA	330		10 × 26	.85	.64
TVX1H471MCA	470		13 × 26	1.11	.83
TVX1H102MCA	1000		16 × 31.5	2.05	1.54
TVX1H222MCA	2200		18 × 41	3.76	2.82
TVX1H332MDA	3300	160	22 × 40	4.65	3.48
TVX1H472MDA	4700		22 × 52	5.94	4.46
TVX1J4R7MAA	4.7		5 × 12	.25	.19
TVX1J100MAA	10		5 × 12	.31	.23
TVX1J220MAA	22		6.3 × 12	.32	.24
TVX1J470MAA	47	250	8 × 16	.37	.28
TVX1J101MAA	100		8 × 20	.50	.38
TVX1J221MCA	220		10 × 26	.85	.64
TVX1J471MCA	470		13 × 31.5	1.45	1.09
TVX2A010MAA	1	35	5 × 12	.25	.19
TVX2A2R2MAA	2.2		5 × 12	.27	.20
TVX2A4R7MAA	4.7		5 × 12	.31	.24
TVX2A100MAA	10		6.3 × 12	.31	.24
TVX2A470MAA	47		8 × 20	.50	.38
TVX2A101MCA	100	450	10 × 26	.85	.64
TVX2A221MCA	220		13 × 26	1.28	.96
TVX2A471MCA	470		16 × 31.5	2.56	1.92
TVX2C2R2MAA	2.2	160	6.3 × 16	.38	.29
TVX2C100MAA	10		8 × 20	.51	.38
TVX2C220MCA	22		10 × 26	.85	.64
TVX2E2R2MAA	2.2	250	8 × 16	.47	.35
TVX2E4R7MAA	4.7		8 × 20	.51	.38
TVX2E470MCA	47		16 × 31.5	1.93	1.45
TVX2E101MCA	100		16 × 41.5	2.69	2.02

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 ~ 22000	1.00	1.10	1.13	1.15
160 ~ 450	1 ~ 220	1.00	1.25	1.40	1.60
	330 ~ 470	1.00	1.10	1.13	1.15

Aluminum Electrolytic Capacitors

nichicon

GQ Series - Radial High Reliability Type

GQ

Snap-in Terminal Type, Long Life, Wide Temperature Range



- Operating Temperature Range: -40°C to 105°C
- Capacitance Tolerance: $\pm 20\%$
- Marking: Printed with white color letter on dark brown sleeve

Mfr's Type	μF	Voltage	Dimensions D×L (mm)	Each
LGQ2D471MHSZ	470	200	22×40	4.68
LGQ2D681MHSB	680		22×50	5.95
LGQ2D102MHSZ	1000		35×35	8.68
LGQ2E471MHSZ	470	250	22×40	6.31
LGQ2E681MHSZ	680		35×35	9.04

LK Series - Snap in Terminal Type

- Operating Temperature Range: -40°C to 85°C
- Capacitance Tolerance: $\pm 20\%$
- Marking: Printed with white color letter on black sleeve

LK

Snap-in Terminal Type, Standard



Mfr's Type	μF	Voltage	Dimensions D×L (mm)	Each
LLK1C682MHSZ	6,800	16	22×25	2.94
LLK1C103MHSZ	10,000		25×25	3.36
LLK1E472MHSZ	4,700	25	22×25	2.99
LLK1E103MHSB	10,000		30×30	4.77
LLK1V332MHSZ	3,300	35	22×25	2.99
LLK1V472MHSZ	4,700		22×25	3.70
LLK1V103MHSZ	10,000		22×45	5.29
LLK1H222MHSZ	2,200		22×25	3.18
LLK1H332MHSZ	3,300	50	25×25	3.89
LLK1H472MHSB	4,700		30×25	4.77
LLK1H103MHSB	10,000		30×45	7.23
LLK2A102MHSZ	1,000		22×30	3.70
LLK2D221MHSZ	220	200	22×25	3.08
LLK2D331MHSZ	330		25×25	3.81
LLK2D471MHSB	470		30×25	4.72
LLK2D471MHSZ	470		22×40	4.17
LLK2D681MHSZ	680	250	25×40	5.62
LLK2D102MHSZ	1,000		35×35	7.95
LLK2E221MHSZ	220	250	25×25	3.81
LLK2E331MHSZ	330		25×30	4.54
LLK2E471MHSB	470		30×35	5.62
LLK2E681MHSZ	680		35×30	7.63

RT Series - Low Profile Sized

RT

Low-Profile Sized, Wide Temperature Range



- Radial Leads
- Operating Temperature Range: -55°C to 105°C
- Capacitance Tolerance: $\pm 20\%$
- Marking: Printed with white color letters on black sleeve

Mfr's Type	μF	Voltage	Dimensions D×L (mm)	Each
URT1C470MCH	47	16	6.3 × 9	.23
URT1C101MNH	100		8 × 9	.28
URT1C221MNH	220		10 × 9	.34
URT1C471MNH	470		12.5 × 9	.46
URT1C222MRH6*	2200		18 × 15	1.22
URT1E470MCH	47	25	6.3 × 9	.27
URT1E101MNH	100		8 × 9	.32
URT1E221MPH	220		10 × 12.5	.45
URT1E102MRH6*	1000		18 × 15	.80
URT1V220MCH	22	35	6.3 × 9	.23
URT1V470MNH	47		6.3 × 9	.28
URT1V101MNH	100		10 × 9	.34
URT1V102MRH6*	1000		18 × 15	1.22
URT1H220MCH	22	50	6.3 × 9	.27
URT1H470MNH	47		8 × 9	.32
URT1H101MPH	100		10 × 12.5	.48
URT1H471MRH6*	470		18 × 15	.89
URT1H102MRH	1000		18 × 20	1.42

LQ Series - Low Profile Type

- Operating Temperature Range: -40°C to 85°C
- Capacitance Tolerance: $\pm 20\%$
- Marking: Printed with white color letter on black sleeve

LQ

Snap-in Terminal Type, Low-Profile Sized



Mfr's Type	μF	Voltage	Dimensions D×L (mm)	Each
LLQ2D471MHSZ	471	200	22×35	4.13
LLQ2D681MHSB	681		30×30	5.78
LLQ2D102MHSZ	1000		35×30	7.95
LLQ2D681MHSB	1500		35×40	10.48

KL Series- Low Leakage Current

- Low leakage current
- Radial leads
- Operating Temperature Range: -40°C to 105°C
- Capacitance Tolerance: M = $\pm 20\%$, K = $\pm 10\%$
- Marking: Printed with black color letter on orange sleeve

KL

Low Leakage Current



Mfr's Type	μF	Voltage	Dimensions D×L (mm)	Cap. Tol. ±	Each
UKL1A470MDAANA	47	10	5 × 11	20	.24
UKL1A101MEAANA	100		6.3 × 11	20	.29
UKL1C100MKDANA	10	16	5 × 11	10	.23
UKL1C100MDAANA	10		5 × 11	20	.21
UKL1C150MDAANA	15		5 × 11	20	.21
UKL1C220KDAANA	22		5 × 11	10	.26
UKL1C220MDAANA	22		5 × 11	20	.24
UKL1C330KDAANA	33		5 × 11	10	.26
UKL1C330MDAANA	33		5 × 11	20	.24
UKL1C470KEAANA	47		6.3 × 11	10	.30
UKL1C470MEAANA	47		6.3 × 11	20	.29
UKL1C680MEAANA	68		6.3 × 11	20	.29
UKL1C101KPAANA	100	25	8 × 11.5	10	.35
UKL1C101MPAANA	100		8 × 11.5	20	.32
UKL1C151MPAANA	150		8 × 11.5	20	.37
UKL1C221MPAANA	220		10 × 12.5	20	.42
UKL1E470KDAANA	47		5 × 11	10	.23
UKL1E470MDAANA	47		5 × 11	20	.21
UKL1E100KDAANA	10		5 × 11	10	.26
UKL1E100MDAANA	10		5 × 11	20	.24
UKL1E150MDAANA	15		5 × 11	20	.24
UKL1E220KDAANA	22		5 × 11	10	.30
UKL1E220MDAANA	22	35	5 × 11	20	.29
UKL1E330KEAANA	33		6.3 × 11	10	.30
UKL1E330MEAANA	33		6.3 × 11	20	.29
UKL1E470KEAANA	47		6.3 × 11	10	.35
UKL1E470MEAANA	47		6.3 × 11	20	.32
UKL1E680MPAANA	68		8 × 11.5	20	.32
UKL1E101KPAANA	100		8 × 11.5	10	.46
UKL1E101MPAANA	100		8 × 11.5	20	.37
UKL1V220KEAANA	22		6.3 × 11	10	.30
UKL1V220MEAANA	22		6.3 × 11	20	.29
UKL1V330KEAANA	33	50	6.3 × 11	10	.35
UKL1V330MEAANA	33		6.3 × 11	20	.32
UKL1V470KPAANA	47		8 × 11.5	10	.35
UKL1V470MPAANA	47		8 × 11.5	20	.32
UKL1V101MPAANA	100		10 × 12.5	20	.42
UKL1H0R1MDAANA	.1	50	5 × 11	20	.21
UKL1HR22MDAANA	.22		5 × 11	20	.21
UKL1HR47KDAANA	.47		5 × 11	10	.23
UKL1HR47MDAANA	.47		5 × 11	20	.21
UKL1H010KDAANA	1		5 × 11	10	.24
UKL1H010MDAANA	1		5 × 11	20	.21
UKL1H2R2KDAANA	2.2		5 × 11	10	.23
UKL1H2R2MDAANA	2.2		5 × 11	20	.21
UKL1H3R3KDAANA	3.3		5 × 11	10	.23
UKL1H3R3MDAANA	3.3		5 × 11	20	.21
UKL1H4R7KDAANA	4.7		5 × 11	10	.26
UKL1H4R7MDAANA	4.7		5 × 11	20	.24
UKL1H100KDAANA	10		5 × 11	10	.30
UKL1H100MDAANA	10		5 × 11	20	.29
UKL1H220KEAANA	22		6.3 × 11	10	.35
UKL1H220MEAANA	22		6.3 × 11	20	.32
UKL1H470MPAANA	47		8 × 11.5	20	.37

PL Series - Low Impedance

PL Extremely Low Impedance,
High Reliability



- Low Impedance, High Reliability
- Suited for use in switching power supplies
- Operating Temperature Range: -55° to +105°C
- Capacitance Tolerance: ±20%

Mfr's Type	μF	Voltage	Dimensions D×L (mm)	Each
UPL1A221MEH	220	10	6.5 × 15	.36
UPL1A471MPH6*	470	10	10 × 12.5	.53
UPL1A392MHH	3900	10	12.5 × 40	1.74
UPL1C221MPH	220	16	8 × 11.5	.49
UPL1C471MPH	470	16	8 × 20	.70
UPL1C471MPH6*	470	16	10 × 15	.70
UPL1C681MHH6*	680	16	6.5 × 15	1.05
UPL1C102MHH6*	1000	16	16 × 15	1.22
UPL1C102MPH	1000	16	10 × 31.5	1.22
UPL1C222MHH	2200	16	12.5 × 15	2.02
UPL1C222MHH6*	2200	16	12.5 × 31.5	2.02
UPL1E470MEH	47	25	6.3 × 11	.36
UPL1E101MEH	100	25	6.3 × 5	.47
UPL1E221MPH	220	25	8 × 15	.67
UPL1E221MPH6*	220	25	10 × 12.5	.67
UPL1E331MPH	330	25	8 × 20	.76
UPL1E331MPH6*	330	25	10 × 15	.76
UPL1E471MHH6*	470	25	12.5 × 15	1.05
UPL1E471MPH	470	25	10 × 20	1.05
UPL1E102MHH	1000	25	12.5 × 15	1.69
UPL1E472MHH	4700	25	18 × 40	4.07
UPL1V101MPH	100	35	8 × 11.5	.49
UPL1V151MPH6*	150	35	10 × 12.5	.53
UPL1V221MPH	220	35	8 × 20	.76
UPL1V221MPH6*	220	35	10 × 15	.76
UPL1V331MPH	330	35	10 × 20	1.05
UPL1V331MHH6*	330	35	12.5 × 15	1.05
UPL1V471MPH	470	35	10 × 31.5	1.41
UPL1V471MHH6*	470	35	16 × 15	1.41
UPL1V681MHH	680	35	12.5 × 25	1.62
UPL1V102MHH	1000	35	12.5 × 31.5	2.13
UPL1V102MHH6*	1000	35	16 × 20	2.13
UPL1V152MHH	1500	35	12.5 × 40	2.76
UPL1V272MHH	2700	35	16 × 40	3.95
UPL1V332MHH	3300	35	18 × 40	4.07
UPL1H100MDH	10	50	5 × 11	.28
UPL1H220MEH	22	50	6.3 × 11	.36
UPL1H101MPH6*	100	50	10 × 15	.67
UPL1H221MPH	220	50	10 × 25	.89
UPL1H331MHH6*	330	50	16 × 15	1.25
UPL1H471MHH	470	50	12.5 × 25	1.72
UPL1H471MHH6*	470	50	18 × 15	1.72
UPL1H102MHH	1000	50	16 × 31.5	2.39
UPL1H222MHH	2200	50	18 × 40	4.70
UPL1J470MPH	47	63	8 × 11.5	.49
UPL1J101MPH	100	63	10 × 20	.79
UPL1J471MHH6*	470	63	16 × 25	1.99

* Low Profile

VZ Series - Radial Leads

VZ Wide Temperature Range



- Operating Temperature Range: -55° to +105°C
- Capacitance Tolerance: ±20%
- Marking: Printed with white letters on black sleeve

Mfr's Type	μF	Voltage	Dimensions D×L (mm)	Each
UVZ1C470MDH	47	16	5 × 11	.19
UVZ1C101MDH	100	16	5 × 11	.24
UVZ1C221MEH	220	16	6.3 × 11	.29
UVZ1C471MPH	470	16	8 × 11.5	.24
UVZ1C102MPH	1000	16	10 × 16	.67
UVZ1C222MHH	2200	16	12.5 × 20	1.18
UVZ1E220MDH	22	25	5 × 11	.19
UVZ1E470MDH	47	25	5 × 11	.23
UVZ1E101MEH	100	25	6.3 × 11	.28
UVZ1E221MPH	220	25	8 × 11.5	.39
UVZ1E471MPH	470	25	10 × 12.5	.67
UVZ1E102MPH	1000	25	10 × 20	.77
UVZ1V220MDH	22	35	5 × 11	.20
UVZ1V470MDH	47	35	5 × 11	.23
UVZ1V101MEH	100	35	6.3 × 11	.29
UVZ1V221MPH	220	35	10 × 12.5	.50
UVZ1V471MPH	470	35	10 × 16	.70
UVZ1V102MHH	1000	35	12.5 × 20	1.18
UVZ1H010MDH	1	50	5 × 11	.16
UVZ1H2R2MDH	2.2	50	5 × 11	.16
UVZ1H4R7MDH	4.7	50	5 × 11	.16
UVZ1H100MDH	10	50	5 × 11	.19
UVZ1H220MDH	22	50	5 × 11	.20
UVZ1H470MEH	47	50	6.3 × 11	.28
UVZ1H101MPH	100	50	8 × 11.5	.42
UVZ1H221MPH	220	50	10 × 12.5	.50
UVZ1H471MHH	470	50	12.5 × 20	.85
UVZ1H102MHH	1000	50	12.5 × 25	1.36

SA Series - 7mm Height

SA 7mmL,
For General Purposes



- Radial Leads
- Operating Temperature Range: -40° to +85°C
- Capacitance Tolerance: ±20%

Mfr's Type	μF	Voltage	Dimensions D×L (mm)	Each
USA1C100MCA	10	16	4 × 7	.17
USA1C470MCA	47	16	6.3 × 7	.20
USR1C101MCA*	100	16	6.3 × 7	.24
USA1V100MCA	10	35	5 × 7	.18
USA1V220MCA	22	35	6.3 × 7	.20
USA1H010MCA	1	50	4 × 7	.17
USA1H2R2MCA	2.2	50	4 × 7	.17
USA1H4R7MCA	4.7	50	5 × 7	.18
USA1H100MCA	10	50	6.3 × 7	.20

* Higher C/V than SA Series

Surface Mount - Aluminum Electrolytic Capacitors

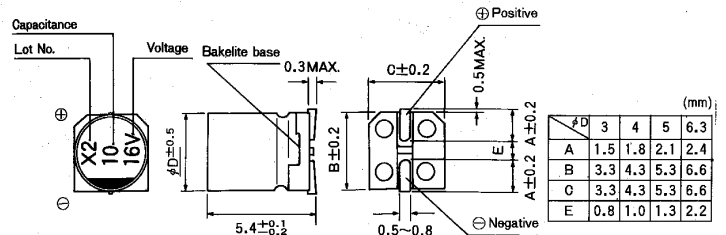
WX

5.5mmL, Chip Type



- Chip type with 5.5mm height.
- Designed for surface mounting on high density PC board.
- Applicable to automatic insertion machine using carrier tape.
- Load life of 2000 hours at 85°C.
- Specifications
- Operating temperature Range: -40 to 85°C.
- Capacitance Tolerance: ±20%

Mfr's Type	μF	Voltage	ØD Code	Qty. Per Reel	Price Per Reel
UWXOJ101MCR1GB	100	6.3	6.3	1000	275.56
UWX1C100MCR1GB	10	16	4	2000	474.76
UWX1C470MCR1GB	47	16	6.3	1000	275.56
UWX1E4R7MCR1GB	4.7	25	4	2000	474.76
UWX1E220MCR1GB	22	25	6.3	1000	275.56
UWX1E330MCR1GB	33	25	6.3	1000	275.56
UWX1H010MCR1GB	1	50	4	2000	474.76
UWX1H2R2MCR1GB	2.2	50	4	2000	474.76
UWX1H100MCR1GB	10	50	6.3	1000	275.56



For SMD



Smaller



Anti-Solvent Feature