

FEATURES

- Very long life, 7000 ~ 10000 hours.
- Wide temperature -25°C ~ +105°C.
- Low impedance.
- Solvent resistant (2 minutes).
- Designed for automatic mounting and reflow soldering.



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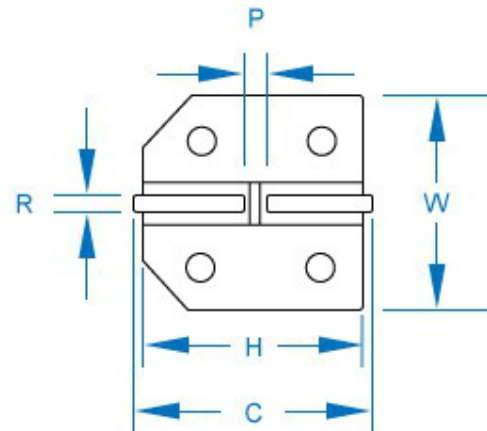
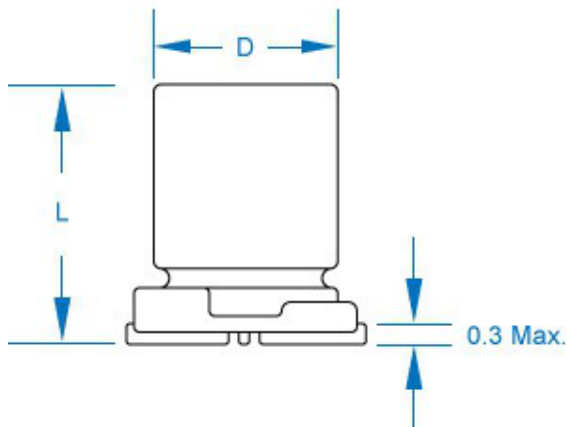
PART NUMBER EXAMPLE

MXEL	-	6R3	/	470	M	5X7	TR	F
Type		Rated DC voltage		Capacitance code (µF)	Tolerance code	Size (DxL)	Package code	RoHS compliant
Capacitance Code: First two digits represent significant figure, third digit represents multiplier (number of zeros).								
Package Code: TR = Tape & Reel.								

GENERAL SPECIFICATIONS

Item	Performance						
Operating temperature	-25°C to +105°C						
Capacitance range	10μF to 1,000μF						
Capacitance tolerance	±20%						
Rated voltage range	6.3 VDC to 50 VDC						
Surge voltage	Rated Voltage (VDC)	6.3	10	16	25	35	50
	Surge Voltage (VDC)	8	13	20	32	44	63
Temperature characteristics (120Hz)	Impedance Ratio						
	Voltage (VDC)						
	Z Temp.	6.3	10	16	25	35	50
	-25°C	4	3	2	2	2	2
Endurance (At rated voltage & max. operating temp)	D ≤ 6.3 : 7,000 Hrs, D ≥ 8 : 10,000 Hrs						
	Capacitance change: Within ±30% of initial rated value.						
	DF: Less than 300% of initial maximum specified value.						
	Leakage Current: Within initial maximum specified value.						
Dissipation factor (@ 120Hz & 20°C)	Voltage(VDC)						
	Diameter	6.3	10	16	25	35	50
	5	32%	28%	26%	16%	14%	
	6.3	32%	28%	26%	16%	14%	14%
	8	32%		26%	16%	14%	14%
	10	32%		26%	16%	14%	14%
Maximum Leakage Current	After 2 minutes @ 20°C: 0.01CV or 3μA, whichever is greater.						

DIMENSIONS



STANDARD PRODUCTS

Part Number	Nom. Cap. (μF)	Voltage (VDC)	Impedance (Ω) (@ 100KHz & 20°C)	Ripple (mA) (@ 100KHz & 105°C)	Size	Dimensions (mm)							
						D +0.5 MAX	L ±0.3	W ±0.2	H ±0.2	C ±0.2	R MIN	R MAX	P
MXEL-6R3/470M5X7TRF	47	6.3	2.2	95	5X7	5	7	5.3	5.3	6	0.5	0.9	1.4
MXEL-6R3/101M6X7TRF	100	6.3	1.1	140	6X7	6.3	7	6.6	6.6	7.3	0.5	0.9	2.2
MXEL-6R3/221M6X8TRF	220	6.3	1	230	6X8	6.3	8.4	6.6	6.6	7.3	0.5	0.9	2.2
MXEL-6R3/331M6X8TRF	330	6.3	1	230	6X8	6.3	8.4	6.6	6.6	7.3	0.5	0.9	2.2
MXEL-6R3/471M8X10TRF	470	6.3	0.22	600	8X10	8	10.2	8.3	8.3	9	0.7	1	3.2
MXEL-6R3/102M10X10TRF	1000	6.3	0.16	850	10X10	10	10.2	10.3	10.3	11	1	1.4	4.6
MXEL-010/330M5X7TRF	33	10	2.2	95	5X7	5	7	5.3	5.3	6	0.5	0.9	1.4
MXEL-010/151M6X7TRF	150	10	1.1	140	6X7	6.3	7	6.6	6.6	7.3	0.5	0.9	2.2
MXEL-016/220M5X7TRF	22	16	2.2	95	5X7	5	7	5.3	5.3	6	0.5	0.9	1.4
MXEL-016/470M6X7TRF	47	16	1.1	140	6X7	6.3	7	6.6	6.6	7.3	0.5	0.9	2.2
MXEL-016/101M6X7TRF	100	16	1.1	140	6X7	6.3	7	6.6	6.6	7.3	0.5	0.9	2.2
MXEL-016/151M6X8TRF	150	16	1	230	6X8	6.3	8.4	6.6	6.6	7.3	0.5	0.9	2.2
MXEL-016/221M6X8TRF	220	16	1	230	6X8	6.3	8.4	6.6	6.6	7.3	0.5	0.9	2.2
MXEL-016/331M8X10TRF	330	16	0.22	600	8X10	8	10.2	8.3	8.3	9	0.7	1	3.2
MXEL-016/471M10X10TRF	470	16	0.16	850	10X10	10	10.2	10.3	10.3	11	1	1.4	4.6
MXEL-025/220M5X7TRF	22	25	2.2	95	5X7	5	7	5.3	5.3	6	0.5	0.9	1.4
MXEL-025/330M6X7TRF	33	25	1.1	140	6X7	6.3	7	6.6	6.6	7.3	0.5	0.9	2.2
MXEL-025/470M6X7TRF	47	25	1.1	140	6X7	6.3	7	6.6	6.6	7.3	0.5	0.9	2.2
MXEL-025/101M6X8TRF	100	25	1	230	6X8	6.3	8.4	6.6	6.6	7.3	0.5	0.9	2.2
MXEL-025/151M8X10TRF	150	25	0.22	600	8X10	8	10.2	8.3	8.3	9	0.7	1	3.2
MXEL-025/221M8X10TRF	220	25	0.22	600	8X10	8	10.2	8.3	8.3	9	0.7	1	3.2
MXEL-025/331M10X10TRF	330	25	0.16	850	10X10	10	10.2	10.3	10.3	11	1	1.4	4.6
MXEL-035/100M5X7TRF	10	35	2.2	95	5X7	5	7	5.3	5.3	6	0.5	0.9	1.4
MXEL-035/220M5X7TRF	22	35	2.2	95	5X7	5	7	5.3	5.3	6	0.5	0.9	1.4
MXEL-035/330M6X8TRF	33	35	1	230	6X8	6.3	8.4	6.6	6.6	7.3	0.5	0.9	2.2
MXEL-035/470M6X8TRF	47	35	1	230	6X8	6.3	8.4	6.6	6.6	7.3	0.5	0.9	2.2
MXEL-035/101M8X10TRF	100	35	0.22	600	8X10	8	10.2	8.3	8.3	9	0.7	1	3.2
MXEL-035/221M10X10TRF	220	35	0.16	850	10X10	10	10.2	10.3	10.3	11	1	1.4	4.6
MXEL-050/330M6X8TRF	33	50	1.8	100	6X8	6.3	8.4	6.6	6.6	7.3	0.5	0.9	2.2
MXEL-050/470M8X10TRF	47	50	0.53	350	8X10	8	10.2	8.3	8.3	9	0.7	1	3.2
MXEL-050/101M8X10TRF	100	50	0.53	350	8X10	8	10.2	8.3	8.3	9	0.7	1	3.2
MXEL-050/221M10X10TRF	220	50	0.36	670	10X10	10	10.2	10.3	10.3	11	1	1.4	4.6