

FEATURES

- Low impedance
- 3000hrs life @105°C
- Wide temperature range
- Designed for automatic mounting
- Solvent resistant



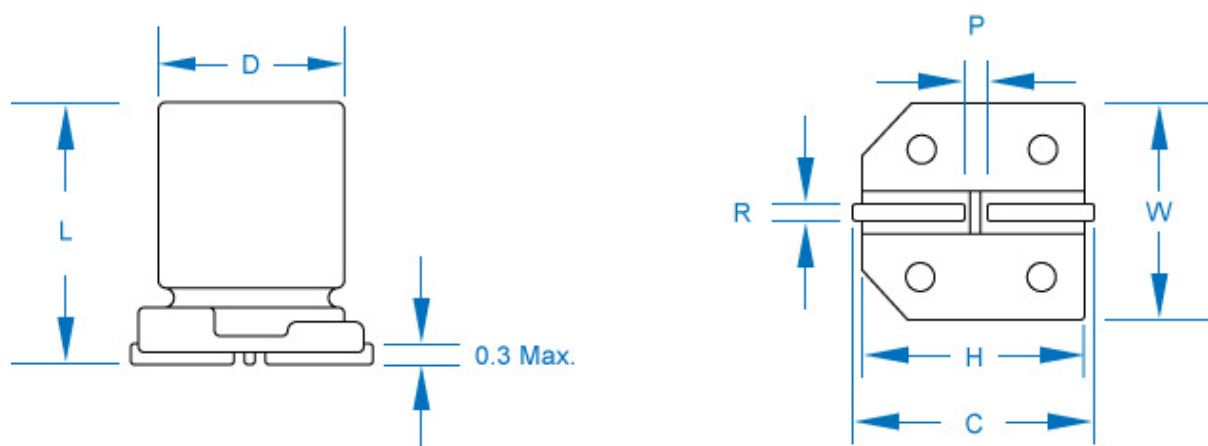
PART NUMBER EXAMPLE

MXZH	-	6R3	/	470	M	5X6	TR	F
Type		Rated 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	-40°C to +105°C																			
Capacitance range	10µF to 330µF																			
Capacitance tolerance	±20%																			
Rated voltage range	6.3 VDC to 50 VDC																			
Surge voltage	Rated Voltage (VDC)																			
	Surge Voltage (VDC)																			
Endurance (At rated voltage & max. operating temp)	<table border="1" style="width: 100%; border-collapse: collapse; margin: 0 auto;"> <thead> <tr> <th></th> <th style="text-align: center;">6.3</th> <th style="text-align: center;">10</th> <th style="text-align: center;">16</th> <th style="text-align: center;">25</th> <th style="text-align: center;">35</th> <th style="text-align: center;">50</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Rated Voltage (VDC)</td> <td style="text-align: center;">8</td> <td style="text-align: center;">13</td> <td style="text-align: center;">20</td> <td style="text-align: center;">32</td> <td style="text-align: center;">44</td> <td style="text-align: center;">63</td> </tr> </tbody> </table>		6.3	10	16	25	35	50	Rated Voltage (VDC)	8	13	20	32	44	63					
		6.3	10	16	25	35	50													
Rated Voltage (VDC)	8	13	20	32	44	63														
After 1,000 hours for 4~6.3mm diam. or 2,000 hours for 8~16mm diam. (5,000 hour life available for 8~16mm diam. upon request): Capacitance change: Within ±25% 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																			
	5																			
6.3	<table border="1" style="width: 100%; border-collapse: collapse; margin: 0 auto;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 15%; text-align: center;">6.3</th> <th style="width: 15%; text-align: center;">10</th> <th style="width: 15%; text-align: center;">16</th> <th style="width: 15%; text-align: center;">25</th> <th style="width: 15%; text-align: center;">35</th> <th style="width: 15%; text-align: center;">50</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">28%</td> <td style="text-align: center;">24%</td> <td style="text-align: center;">22%</td> <td style="text-align: center;">16%</td> <td style="text-align: center;">13%</td> <td style="text-align: center;">12%</td> </tr> <tr> <td style="text-align: center;">28%</td> <td style="text-align: center;">24%</td> <td style="text-align: center;">22%</td> <td style="text-align: center;">16%</td> <td style="text-align: center;">13%</td> <td style="text-align: center;">12%</td> </tr> </tbody> </table>		6.3	10	16	25	35	50	28%	24%	22%	16%	13%	12%	28%	24%	22%	16%	13%	12%
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28%	24%	22%	16%	13%	12%															
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For capacitors greater than 1,000µF, add 2% per each additional 1,000µF.																				
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) (@ 100Hz & 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
MXZH-6R3/470M5X6TRF	47	6.3	1.3	95	5X6	5	6	5.3	5.3	6	0.5	0.8	1.4
MXZH-6R3/101M6X6TRF	100	6.3	0.7	140	6X6	6.3	6	6.6	6.6	7.3	0.5	0.8	2.2
MXZH-6R3/221M6X8TRF	220	6.3	0.6	230	6X8	6.3	7.7	6.6	6.6	7.3	0.5	0.8	2.2
MXZH-6R3/331M6X8TRF	330	6.3	0.6	230	6X8	6.3	7.7	6.6	6.6	7.3	0.5	0.8	2.2
MXZH-010/330M5X6TRF	33	10	1.3	95	5X6	5	6	5.3	5.3	6	0.5	0.8	1.4
MXZH-010/470M5X6TRF	47	10	1.3	95	5X6	5	6	5.3	5.3	6	0.5	0.8	1.4
MXZH-010/101M6X6TRF	100	10	0.7	140	6X6	6.3	6	6.6	6.6	7.3	0.5	0.8	2.2
MXZH-010/151M6X6TRF	150	10	0.7	140	6X6	6.3	6	6.6	6.6	7.3	0.5	0.8	2.2
MXZH-016/220M5X6TRF	22	16	1.3	95	5X6	5	6	5.3	5.3	6	0.5	0.8	1.4
MXZH-016/470M6X6TRF	47	16	0.7	140	6X6	6.3	6	6.6	6.6	7.3	0.5	0.8	2.2
MXZH-016/101M6X6TRF	100	16	0.7	140	6X6	6.3	6	6.6	6.6	7.3	0.5	0.8	2.2
MXZH-016/151M6X8TRF	150	16	0.6	230	6X8	6.3	7.7	6.6	6.6	7.3	0.5	0.8	2.2
MXZH-016/221M6X8TRF	220	16	0.6	230	6X8	6.3	7.7	6.6	6.6	7.3	0.5	0.8	2.2
MXZH-025/220M5X6TRF	22	25	1.3	95	5X6	5	6	5.3	5.3	6	0.5	0.8	1.4
MXZH-025/330M6X6TRF	33	25	0.7	140	6X6	6.3	6	6.6	6.6	7.3	0.5	0.8	2.2
MXZH-025/470M6X6TRF	47	25	0.7	140	6X6	6.3	6	6.6	6.6	7.3	0.5	0.8	2.2
MXZH-025/101M6X8TRF	100	25	0.6	230	6X8	6.3	7.7	6.6	6.6	7.3	0.5	0.8	2.2
MXZH-035/100M5X6TRF	10	35	1.3	95	5X6	5	6	5.3	5.3	6	0.5	0.8	1.4
MXZH-035/220M6X6TRF	22	35	0.7	140	6X6	6.3	6	6.6	6.6	7.3	0.5	0.8	2.2
MXZH-035/470M6X8TRF	47	35	0.6	230	6X8	6.3	7.7	6.6	6.6	7.3	0.5	0.8	2.2
MXZH-050/100M6X6TRF	10	50	2	70	6X6	6.3	6	6.6	6.6	7.3	0.5	0.8	2.2
MXZH-050/220M6X6TRF	22	50	2	70	6X6	6.3	6	6.6	6.6	7.3	0.5	0.8	2.2
MXZH-050/330M6X8TRF	33	50	1.35	100	6X8	6.3	7.7	6.6	6.6	7.3	0.5	0.8	2.2