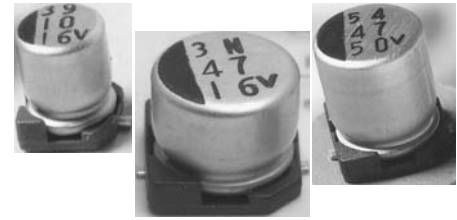


FEATURES

- Lowest ESR available.
- Small sizes.
- Long life 2000~ 5000Hr Life
- Designed for automatic mounting.
- Solvent resistant.



PART NUMBERING

Part Number Example: MXZX-035/101M8X10TR13F									
MXZX	-	035	/	101	M	8X10	TR	13	F
Type		Rated DC Voltage		Capacitance Code (μF)*	Tolerance Code	Size	Package Code**	Reel Size	RoHs Compliant

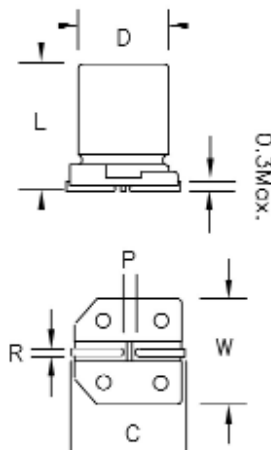
* Capacitance Code: First two digits represent significant figure, third digit represents multiplier (number of zeros).
 ** Package Code: TR = Tape & Reel.

SPECIFICATIONS

Performance Characteristics											
Operating Temperature Range	-55°C ~ +105°C.										
Voltage Range	6.3VDC ~ 100VDC.										
Capacitance Range	2.2μF ~ 6800μF.										
Capacitance Tolerance	±20% (M).										
Maximum Dissipation Factor (20°C, 120Hz)	Rated Voltage (WVDC)	6.3	10	16	25	35	50	63	80	100	
	DF %	4ø ~ 6.3ø	24	20	16	14	12	12	10	8	7
		8ø ~ 16ø	28	24	20	16	14	14	12	10	8
For capacitors greater than 1000μF, add 0.02 per each additional 1000μF.											
Maximum Leakage Current (20°C) (after 2 minutes)	0.01CV or 3μA, whichever is greater.										
Load Life Test (105°C, 2000 hours) (5000Hr Life available for 8~16mm diam. upon request)	Capacitance Change	Within ±25% of initial measured value.									
	DF	Less than 300% of initial maximum specified value.									
	Leakage Current	Within initial maximum specified value.									

Capacitance (μF)	WVDC									
	6.3	10	16	25	35	50	63	80	100	
2.2									6.3X6	
3.3									6.3X6	
4.7					4X6	4X6	5X6	6.3X6	6.3X6	
10				4X6	5X6	6.3X6	6.3X6	6.3X7.7	6.3X7.7	
15			4X6	5X6	5X6					
22		4X6	5X6	5X6	5X6	6.3X6	6.3X7.7	8X10.2	8x10.2	
27	4X6									
33		5X6		6.3X6	6.3X6	6.3X7.7	8x10.2	8X10.2	10X10.2	
47	5X6		6.3X6	6.3X6	6.3X6	6.3X7.7	8x10.2	10X10.2	12.5X13.5	
56	5X6			6.3X6						
68		6.3X6	6.3X6	6.3X6	6.3X7.7			12.5X13.5	12.5X13.5	
100	6.3X6		6.3X6	6.3X7.7	8X10.2	8X10.2	10x10.2	12.5X13.5	16X16.5	
150	6.3X6	6.3X6	6.3X7.7	8X10.2	8X10.2			12.5X13.5	16X16.5	
220	6.3X6	6.3X7.7	6.3X7.7	8X10.2	8X10.2	10X10.2	12.5X13.5			
330	6.3X7.7	8X10.2	8X10.2	8X10.2	10X10.2	12.5X13.5		16X16.5		
470	8X10.2	8X10.2	8X10.2	10X10.2	12.5X13.5		16X16.5			
680	8X10.2		10X10.2		12.5X13.5					
1000	8X10.2	10X10.2		12.5X13.5	16X16.5	16X16.5				
1500	10X10.2		12.5X13.5		16X16.5					
2200		12.5X13.5		16X16.5						
3300	12.5X13.5		16X16.5							
4700		16X16.5								
6800	16X16.5									

DIMMENSIONS



Size D x L	D ±0.5	L+ 0.3	W ± 0.2	C Max.	R	P ± 0.2
4 x 6.0	4.0	6	4.3	5	0.5~0.8	1.0
5 x 6.0	5.0	6	5.3	6	0.5~0.8	1.4
6.3 x 6.0	6.3	6	6.6	7.3	0.5~0.8	2.2
6.3 x 7.7	6.3	7.7	6.6	7.3	0.5~0.8	2.2
8 x 10.2	8.0	10.2	8.3	9	0.7~1.0	3.2
10 x 10.2	10.0	10.2	10.3	11	1.0~1.4	4.6
12.5 x 13.5	12.5	13.5	12.8	13.5	1.0~1.4	4.6
16 x 16.5	16.0	16.5	16.3	17.3	1.8~2.1	7.0

Capacitance (µF)	WVDC								
	6.3	10	16	25	35	50	63	80	100
2.2									2.7/42
3.3									2.4/45
4.7					1.45/90	2.55/64	2.0/55	2.4/45	2.4/45
10				1.45/90	0.70/170	0.52/215	1.0/90	2.0/65	2.0/65
15			1.45/90	0.70/170	0.70/170				
22		1.45/90	0.70/170	0.70/170	0.70/170	0.52/215	.80/135	0.90/140	0.90/140
27	1.45/90								
33		0.70/170		0.39/250	0.39/250	0.44/243	0.35/280	0.90/140	0.5/220
47	0.70/170		0.39/250	0.39/250	0.39/250	0.44/243	0.35/280	0.50/220	0.24/500
56	0.70/170			0.39/250					
68		0.39/250	0.39/250	0.39/250	0.30/300			0.24/500	0.24/500
100	0.39/250		0.39/250	0.30/300	0.15/600	0.22/400	0.20/480	0.24/500	0.14/800
150	0.39/250	0.39/250	0.30/300	0.15/600	0.15/600			0.24/500	0.14/800
220	0.39/250	0.30/300	0.30/300	0.15/600	0.15/600	0.13/585	0.14/800		
330	0.30/300	0.15/600	0.15/600	0.15/600	0.08/850	0.1/800		0.14/800	
470	0.15/600	0.15/600	0.15/600	0.08/850	0.058/1150		0.065/1410		
680	0.15/600		0.08/850		0.058/1150				
1000	0.15/600	0.08/850		0.058/1150	0.035/1800	0.06/1610			
1500	0.08/850		0.058/1150		0.035/1800				
2200		0.058/1150		0.035/1800					
3300	0.058/1150		0.035/1800						
4700		0.035/1800							
6800	0.035/1800								

MAXIMUM RIPPLE (mA rms @ 120Hz & 105°C)

MAXIMUM IMPEDANCE (Ω @ 100KHz & 20°C)