

FEATURES

- Hybrid polymer capacitors.
- Very low ESR @ high frequency (up to 1MHz).
- Long life (3000 to 5000 hours).
- Designed for automatic mounting.
- Solvent resistant.



PART NUMBERING

Part Number Example: MXPX-6R3/100M6X6TR13F

MXPX	-	6R3	/	101	M	6X6	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 ~ 16VDC.		
Capacitance Range	10μF ~ 1000μF.		
Maximum Dissipation Factor (20°C, 120Hz)	Rated Voltage (WVDC)	6.3	10
	DF %	18	16
Maximum Leakage Current (20°C) (after 2 minutes)	0.2CV or 100μA, whichever is greater.		
Load Life Test (105°C, 5000 hours for D ≥ 8mm) (105°C, 3000 hours for D < 6.3mm)	Capacitance Change	Within ±30% of initial measured value.	
	DF	Less than 200% of specific value.	
	Leakage Current	Within initial maximum specified value.	

STANDARD PRODUCT TABLE (dØ X L(mm))

Cap. (μF)	6.3vdc			10vdc			16vdc		
	Case Size	ESR	RIPPLE	Case Size	ESR	RIPPLE	Case Size	ESR	RIPPLE
10							6.3x6.0	54	1130
22							6.3x6.0	54	1130
33				6.3x6.0	40	1510	6.3x6.0	54	1130
47				6.3x6.0	40	1510	8x10.5	22	2290
							6.3x7.7	45	1480
68				6.3x6.0	40	1510	8x10.5	22	2290
100	6.3x6.0	36	1630	8x10.5	18	2800	8x10.5	22	2290
				6.3x7.7	35	1910			
150	6.3x6.0	36	1630	8x10.5	18	2800	10x10.5	20	2920
220	8x10.5	16	3150	8x10.5	18	2800			
	6.3x7.7	32	2020						
330	8x10.5	16	3150	8x10.5	18	2800			
470	8x10.5	16	3150	10x10.5	16	3650			
560	8x10.5	16	3150	10x10.5	16	3650			
680	10x10.5	15	3890						
1000	10x10.5	15	3890						

MAXIMUM ESR (mΩ @ 120Hz & 20°C)

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

DIMENSIONS (mm)

Case Size D X L	A/B ± 0.2	E ± 0.2	I ± 0.2	S	W
6 x 6.6	6.6	7.3	2.5	2.2	0.5 ~ 0.8
6.3x7.7	6.6	7.3	2.5	2.2	0.5 ~ 0.8
8 x 10.5	8.3	9	2.9	3.2	0.7 ~ 1.0
10 x 10.5	10.3	11	3.2	4.6	1.1 ~ 1.4

