

FEATURES

- Hybrid polymer capacitors.
- Very low ESR @ high frequency (up to 1MHz).
- Long life (1000 to 2000 hours).
- Designed for automatic mounting.
- Solvent resistant.



PART NUMBERING

Part Number Example: MXPX-6R3/100M6X6TR13F									
MXPX	-	6R3	/	100	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

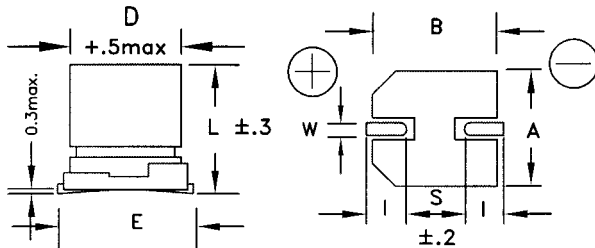
Performance Characteristics			
Operating Temperature Range	-55°C ~ +105°C.		
Voltage Range	4VDC ~ 10VDC.		
Capacitance Range	22μF ~ 820μF.		
Maximum Dissipation Factor (20°C, 120Hz)	Rated Voltage (WVDC)	4	6.3
	DF %	24	20
Maximum Leakage Current (20°C) (after 2 minutes)	0.1CV or 50μA, whichever is greater.		
Load Life Test (105°C, 2000 hours for D ≥ 6.3mm) (105°C, 1000 hours for D < 6.3mm) (4V = 1000 hours)	Capacitance Change	Within ±20% 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)	WVDC		
	4	6.3	10
22			6.3 x 6
33			6.3 x 6
47			6.3 x 6
100		6.3 x 6	8 x 10.5
150			8 x 10.5
220		8 x 10.5	8 x 10.5
330		8 x 10.5	8 x 10.5
390		8 x 10.5	10 x 10.5
470	8 x 10.5	10 x 10.5	10 x 10.5
560		10 x 10.5	
680	10 x 10.5		
820	10 x 10.5		

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

Cap. (μF)	WVDC		
	4	6.3	10
22			1020
33			1020
47			1020
100		1120	1550
150			1550
220		1550	1550
330		1550	1550
390		1550	2090
470	1550	2090	2090
560		2090	
680	2090		
820	2180		



DIMENSIONS (mm)

Case Size	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
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

MAXIMUM ESR (mΩ @ 120Hz & 20°C)

Cap. (μF)	WVDC		
	4	6.3	10
22			60
33			60
47			60
100		50	30
150			30
220		30	30
330		30	30
390		30	25
470	30	25	25
560		25	
680	25		
820	23		