

FEATURES

- LOW ESR AT HIGH FREQUENCY
- WIDE TEMPERATURE RANGE
- 2000 HOUR MINIMUM LIFE
- VERY HIGH RIPPLE CURRENT
- SOLVENT RESISTANT

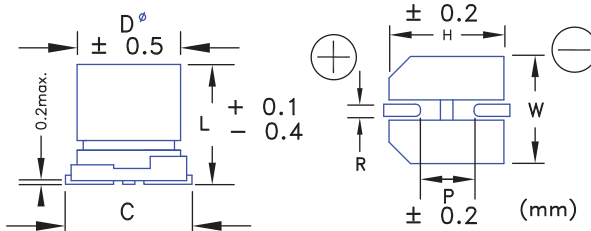


PART NUMBERING

Part Number Example: MXCPM-010/101M6X5TR13FG										
MXCPM	-	010	/	101	M	6X5	TR	13	F	G
Type		Rated DC Voltage		Capacitance Code (μF)*	Tolerance Code	Size	Package Code**	Reel Size	RoHs Compliant	pb Free
* Capacitance Code: First two digits represent significant figure, third digit represents multiplier (number of zeros).										
** Package Code: TR = Tape & Reel.										

SPECIFICATIONS

ITEMS		CHARACTERISTICS						
VOLTAGE RANGE		2.5	4	6.3	10	16	20	25
SURGE VOLTAGE	ROOM TEMPERATURE	2.8	4.6	7.2	11.5	18.4	23	27.5
TEMPERATURE RANGE		-55 ~ +105°C						
CAPACITANCE RANGE		10-560μF						
CAPACITANCE TOLERANCE	@ 120Hz 20°C	M (+-20%)						
DISSIPATION FACTOR	@ 120Hz 20°C	8%						
DC LEAKAGE CURRENT	(μA) AFTER 2 MINUTES	2.5~10V= 300μA		16V=4300μA		20~25V= 600μA		
LOAD LIFE	@ 105°C RATED VOLTAGE AND RATED RIPPLE CURRENT	TEST	2000hour @ 105°C					
		ΔC/C	WITHIN +-20% OF INITIAL MEASURED VALUE					
		DF	LESS THAN 150% OF SPECIFIED VALUE					
		ESR	LESS THAN 150% OF SPECIFIED VALUE					
		LC	LESS THAN SPECIFIED VALUE					



SIZE	DIA.	L	W +0.2	H	C +0.2	R	P
4X5.5	4	5.5	4.3	4.3	5.1	0.5~0.8	1.6
5X5.5	5	5.5	5.3	5.3	5.9	0.5~0.8	1.6
6.3X5.8	6.3	5.8	6.5	6.5	7.2	0.5~0.8	1.6
6.3X7.7	6.3	7.7	6.5	6.5	7.2	0.5~0.8	1.6

μF	2.5VDC	4VDC	6.3VDC	10VDC	16VDC	20VDC	25VDC
10				4X5.5	6.3X5.8	6.3X5.8	6.3X5.8
					6.3X7.7	6.3X7.7	6.3X7.7
15				4X5.5	6.3X5.8	6.3X5.8	
					6.3X7.7	6.3X7.7	
22				4X5.5	6.3X5.8	6.3X5.8	6.3X7.7
					6.3X7.7	6.3X7.7	
33				5X5.5	6.3X5.8	6.3X7.7	6.3X7.7
					6.3X5.8		
39				5X5.5	6.3X5.8	6.3X7.7	6.3X7.7
					6.3X5.8		
47				6.3X5.8	6.3X5.8	6.3X7.7	6.3X7.7
68				6.3X5.8	6.3X5.8	6.3X7.7	6.3X7.7
82				6.3X5.8	6.3X5.8	6.3X7.7	6.3X7.7
100	4X5.5	5X5.5	6.3X5.8	6.3X5.8	6.3X7.7		
	5X5.5		6.3X7.7	6.3X7.7			
150	5X5.5	6.3X5.8	6.3X5.8	6.3X7.7			
	6.3X5.8	6.3X7.7	6.3X7.7				
180	5X5.5	6.3X5.8	6.3X7.7	6.3X7.7			
	6.3X5.8	6.3X7.7					
220	5X5.5	6.3X5.8	6.3X7.7	6.3X7.7			
	6.3X7.7	6.3X7.7					
270	6.3X5.8	6.3X5.8	6.3X7.7				
	6.3X7.7	6.3X7.7					
330	6.3X5.8	6.3X5.8	6.3X7.7				
	6.3X7.7	6.3X7.7					
390	6.3X7.7	6.3X7.7					
470	6.3X7.7	6.3X7.7					
560	6.3X7.7						

ESR (mΩ @ 100KHz & 20°C) / MAX RIPPLE CURRENT (AMPS @ 100KHz & 105°C)

μF	2.5VDC	4VDC	6.3VDC	10VDC	16VDC	20VDC	25VDC
10				45/1.2	30/2.2	30/2.2	30/2.2
					25/2.61	25/2.67	25/2.67
15				45/1.2	30/2.2	30/2.2	
					25/2.61	25/2.67	
22				45/1.2	30/2.2	30/2.2	25/2.67
					25/2.61	25/2.67	
33				45/1.67	30/2.2	25/2.67	25/2.67
				30/2.2	25/2.61		
39				45/1.67		25/2.67	25/2.67
				30/2.2			
47				30/2.2	30/2.2	25/2.67	
				20/2.69	25/2.61		
68				30/2.2	30/2.2		
				20/2.69	20/2.69		
82				30/2.2	20/2.69		
				20/2.69			
100	30/1.67	30/1.97	25/2.39	30/2.2	20/2.69		
	30/1.97		20/2.69	20/2.69			
150	30/1.97	30/2.2	25/2.39	20/2.69			
	30/2.2	25/2.67	20/2.69				
180	30/1.97	30/2.2	20/2.69	20/2.69			
	30/2.2	25/2.67					
220	30/2.2	25/2.61	15/3.1	20/2.69			
	30/2.61	20/2.69					
270	25/2.61	25/2.61	15/3.1				
	20/2.69	20/2.69					
330	25/2.61	20/2.69	15/3.1				
	20/2.69	15/3.1					
390	20/2.69	15/3.1					
470	15/3.1	15/3.1					
560	15/3.1						