

FEATURES

- VERY LOW ESR AT HIGH FREQUENCY
- WIDE TEMPERATURE RANGE TO + 125°C
- 2,000~3000 HOUR MINIMUM LIFE
- WIDE VOLTAGE RANGE (UP TO 100VDC)
- VERY HIGH RIPPLE CURRENT
- SOLVENT RESISTANT

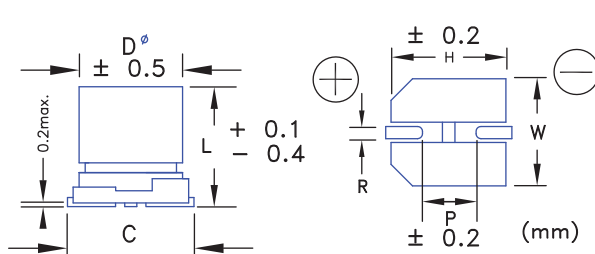


PART NUMBERING

Part Number Example: MXCPP-035/101M8X10.5TR13F G										
MXCPP	-	035	/	101	M	8X10.5	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		25	35	50	63	80	100
SURGE VOLTAGE	ROOM TEMPERATURE	32	44	63	79	100	125
TEMPERATURE RANGE		-55 ~ +125°C					
CAPACITANCE RANGE		3.9~330μF					
CAPACITANCE TOLERANCE	@ 120Hz 20°C	M (+-20%)					
DISSIPATION FACTOR	@ 120Hz 20°C	16%					
DC LEAKAGE CURRENT	(μA) AFTER 2 MINUTES	0.05CV 05 100, WHICHEVER IS GREATER					
TEMPERATURE CHARACTERISTICS IMPEDANCE RATIO	@ 120Hz & 20°C	-55°C	Z/Z 20°C	1 TO 2.5			
		125°C	Z/Z 20°C	0.6 TO 1.0			
LOAD LIFE	@ 105°C RATED VOLTAGE AND RATED RIPPLE CURRENT	TEST	DIAM. 6.3mm = 2000HRS, DIAM. ≥8mm = 5000HRS				
		ΔC/C	WITHIN +-30% OF INITIAL MEASURED VALUE				
		DF	LESS THAN 200% OF SPECIFIED VALUE				
		ESR	LESS THAN 200% OF SPECIFIED VALUE				
		LC	LESS THAN SPECIFIED VALUE				



SIZE	DIA.	L	W +0.2	H	C +0.2	R	P
6.3X7.7	6.3	7.7	6.6	6.6	7.3	0.5~0.8	2.2
8X10.5	8	10.5	8.3	8.3	9	0.7~1.0	3.2
10X10.5	10	10.5	10.3	10.3	11	1.0~1.4	4.6
10X12.5	10	12.5	10.3	10.3	11	1.0~1.4	4.6

STANDARD PRODUCT TABLE (dØ X L(mm)), ESR & RIPPLE CURRENT

(µF)	25VDC			35VDC			50VDC		
10							6.3X7.7	80	840
33							8X10.5	35	1170
47				6.3X7.7	60	910			
56							10X10.5	25	1390
68	6.3X7.7	45	980				10X12.5	19	1590
100				8X10.5	30	1260			
120									
150	8X10.5	27	1330	10X10.5	23	1480			
220				10X12.5	17	1698			
270	10X10.5	22	1520						
330	10X12.5	16	1740						

ESR m Ω @ 100KHz 20°C
RIPPLE CURRENT mA @ 100KHz 125°C

STANDARD PRODUCT TABLE (dØ X L(mm)), ESR & RIPPLE CURRENT

(µF)	63VDC			80VDC			100VDC		
3.9	6.3X7.7	100	740						
10							10X10.5	80	870
12				10X10.5	70	900	10X12.5	60	1000
15				10X12.5	50	1100			
22	8X10.5	40	1090						
33	10X10.5	30	1260						
47	10X12.5	22	1440						

ESR m Ω @ 100KHz 20°C
RIPPLE CURRENT mA @ 100KHz 125°C