

FEATURES

- VERY LOW ESR AT HIGH FREQUENCY
- WIDE TEMPERATURE RANGE TO + 125°C
- 1500~3000 HOUR MINIMUM LIFE
- WIDE VOLTAGE RANGE (UP TO 125VDC)
- VERY HIGH RIPPLE CURRENT
- SOLVENT RESISTANT

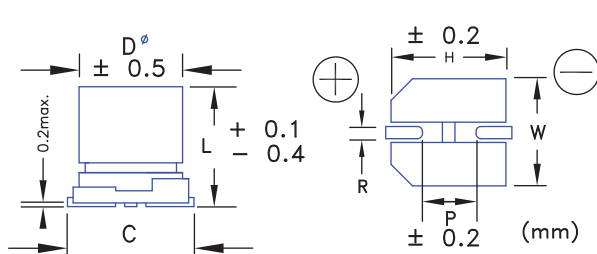


PART NUMBERING

Part Number Example: MXCPP-035/101M8X10.5TR13FG										
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	125
SURGE VOLTAGE	ROOM TEMPERATURE	32	44	63	79	100	125	157
TEMPERATURE RANGE		-55 ~ +125°C						
CAPACITANCE RANGE		6.8~330μF						
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	@ 125°C RATED VOLTAGE AND RATED RIPPLE CURRENT	TEST	6.3x 6.0 1500HRS, 6.3X7.7 2000HRS, DIAM. ≥8mm = 3000HRS					
		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
6.3X6.0	6.3	6.0	6.6	6.6	7.3	0.5~0.8	2.2
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			40VDC			50VDC		
10										6.3X6.0	120	690
15										6.3X7.7	80	840
18							6.3X6.0	110	720			
27				6.3X6.0	100	760	6.3X6.7	70	870			
33										8X10.5	35	1170
47	6.3X6.0	60	890	6.3X7.7	60	910						
56							8X10.5	32	1220	10X10.5	25	1390
68	6.3X7.7	45	980									
82										10X12.5	19	1590
100				8X10.5	30	1260	10X10.5	24	1440			
120							10X12.5	18	1650			
150	8X10.5	27	1330	10X10.5	23	1480						
220				10X12.5	17	1700						
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			125VDC		
6.8	6.3X6.0	150	670									
10	6.3X7.7	100	740				10X10.5	80	870	10X10.5	90	750
12				10X10.5	70	900	10X10.5	60	1000			
15				10X10.5	70	900	10X12.5	60	1000			
18				10X12.5	50	1100						
22	8X10.5	40	1090									
33	8X10.5	40	1090									
	10X10.5	30	1260									
47	10X10.5	30	1260									
56	10X12.5	22	1440									

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