

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

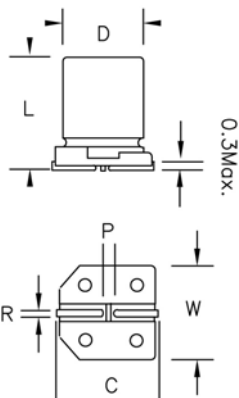


PART NUMBERING

Part Number Example: MXCPP-035/101M8X10.5TR13F									
MXCPP	-	035	/	101	M	8X10.5	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

ITEMS		CHARACTERISTICS										
VOLTAGE RANGE					16	25	35	50	63	80	100	125
SURGE VOLTAGE		ROOM TEMPERATURE			20	32	44	63	79	100	125	157
TEMPERATURE RANGE		-55 ~ +125°C										
CAPACITANCE RANGE		6.8~560μF										
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 D X L	D	L MAX	W +0.2	C +0.2	R	P
6.3X6.0	6.3	6.3	6.6	7.3	0.5~0.8	2.2
6.3X7.7	6.3	8	6.6	7.3	0.5~0.8	2.2
8X10.5	8	10.8	8.3	9	0.7~1.0	3.2
10X10.5	10	10.8	10.3	11	1.0~1.4	4.6
10X12.5	10	12.8	10.3	11	1.0~1.4	4.6

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

(µF)	16VDC			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	6.3X7.7	40	1160							10X12.5	18	1650			
150				8X10.5	27	1330	10X10.5	23	1480						
220							10X12.5	17	1700						
270	8X10.5	26	1540	10X10.5	22	1520									
330				10X12.5	16	1740									
470	10X10.5	21	2010												
560	10X12.5	15	2320												

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