

FEATURES

- VERY LOW ESR AT HIGH FREQUENCY
- WIDE TEMPERATURE RANGE TO + 135°C
- 1000~2000 HOUR MINIMUM LIFE
- VERY HIGH RIPPLE CURRENT
- SOLVENT RESISTANT



PART NUMBERING

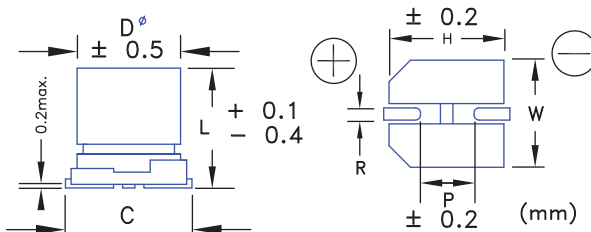
Part Number Example: MXCPT-035/101M8X10.5TR13FG

MXCPT	-	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		25VDC	35VDC	40VDC	50VDC	63VDC
SURGE VOLTAGE	ROOM TEMPERATURE	32VDC	44VDC	50VDC	63VDC	79VDC
TEMPERATURE RANGE		-55 ~ +135°C				
CAPACITANCE RANGE		10~330μF				
CAPACITANCE TOLERANCE	@ 120Hz 20°C	M (+-20%)				
DISSIPATION FACTOR	@ 120Hz 20°C	16%				
DC LEAKAGE CURRENT	(μA) AFTER 2 MINUTES	0.05CV or 100, WHICHEVER IS GREATER				
TEMPERATURE CHARACTERISTICS IMPEDANCE RATIO	@ 120Hz & 20°C	-55°C	Z/Z 20°C	1 TO 2.5		
		135°C	Z/Z 20°C	0.6 TO 1.0		
LOAD LIFE	@ 135°C RATED VOLTAGE AND RATED RIPPLE CURRENT	TEST	6.3mm DIAM. 1000HRS, DIAM. ≥8mm = 2000HRS			
		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			40VDC		
15									
27							6.3X7.7	70	700
33									
47				6.3X7.7	60	730			
56							8X10.5	32	980
68	6.3X7.7	45	780						
82									
100				8X10.5	30	1010	10X10.5	24	1150
120							10X12.5	18	1320
150	8X10.5	27	1000	10X10.5	23	1180			
220				10X12.5	17	1360			
270	10X10.5	22	1220						
330	10X12.5	16	1390						

ESR m Ω @ 100KHz 20°C
RIPPLE CURRENT mA @ 100KHz 135°C

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

(µF)	50VDC			63VDC		
10				6.3X7.7	100	590
15	6.3x7.7	80	670			
22				8X10.5	40	870
33				8X10.5	40	870
	8x10.5	35	940	10X10.5	30	1010
47				10X10.5	30	1010
56	10x10.5	25	1110	10X12.5	22	1150
82	10x12.5	19	1270			

ESR m Ω @ 100KHz 20°C
RIPPLE CURRENT mA @ 100KHz 135°C