

## FEATURES

- VERY LOW ESR AT HIGH FREQUENCY
- WIDE TEMPERATURE RANGE
- 2000~10,000 HOUR MINIMUM LIFE
- WIDE VOLTAGE RANGE (UP TO 125VDC)
- VERY HIGH RIPPLE CURRENT
- SOLVENT RESISTANT

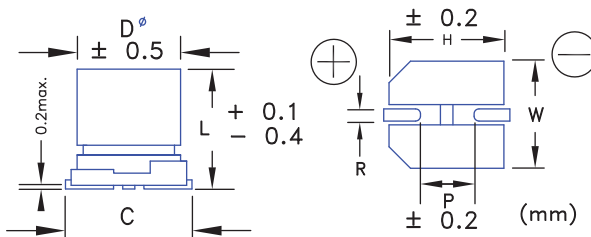


## PART NUMBERING

Part Number Example: MXCPH-100/100M10X10TR13FG										
MXCPH	-	100	/	100	M	10X10.5	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									
SURGE VOLTAGE	ROOM TEMPERATURE									32 44 50 63 79 100 125 157
TEMPERATURE RANGE	-55 ~ +105°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						
		105°C	Z/Z 20°C	0.6 TO 1.0						
LOAD LIFE	@ 105°C RATED VOLTAGE AND RATED RIPPLE CURRENT	TEST		6.3x4.5 2000hrs, 6.3x6.0 & 6.3x7.7 5000HRS, DIAM. ≥8mm = 10000HRS						
		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
6.3x4.5	6.3	4.5	6.6	6.6	7.3	0.5~0.8	2.2
6.3X6		6.0					
6.3X7.7		7.7					
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	980
12				6.3X4.5	150	640						
15										6.3X7.7	80	1200
18							6.3X6	110	1030			
27	6.3X4.5	95	800	6.3X6	100	1080	6.3X7.7	70	1250			
33										8X10.5	35	1670
47	6.3X6	60	1270	6.3X7.7	60	1300						
56							8X10.5	32	1750	10X10.5	25	2320
68	6.3X7.7	45	1400									
82										10X12.5	19	2650
100				8X10.5	30	1800	10X10.5	24	2400			
120							10X12.5	18	2750			
150	8X10.5	27	1900	10X10.5	23	2470						
220				10X12.5	17	2830						
270	10X10.5	22	2530									
330	10X12.5	16	2900									

ESR m Ω @ 100KHz 20°C  
RIPPLE CURRENT mA @ 100KHz 105°C

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

(µF)	63VDC			80VDC			100VDC			125VDC		
6.8	6.3X6	150	960									
10	6.3X7.7	100	1060				10X10.5	80	1450	10X10.5	90	1250
12				10X10.5	70	1600	10X10.5	80	1450			
15				10X10.5	70	1600	10X12.5	60	1660			
18				10X12.5	50	1830						
22	8X10.5	40	1560									
33	8X10.5	40	1560									
	10X10.5	30	2100									
47	10X10.5	30	2100									
56	10X12.5	22	2400									

ESR m Ω @ 100KHz 20°C  
RIPPLE CURRENT mA @ 100KHz 105°C