

FEATURES

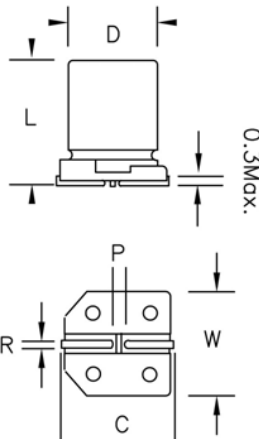
- VERY LOW ESR AT HIGH FREQUENCY
- WIDE TEMPERATURE RANGE
- 2000~10,000 HOUR MINIMUM LIFE
- WIDE VOLTAGE RANGE (UP TO 125VDC)
- VERY HIGH RIPPLE CURRENT
- SOLVENT RESISTANT



PART NUMBERING

Part Number Example: MXCPH-100/100M10X10TR13FG									
MXCPH	-	100	/	100	M	10X10.5	TR	13	F
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.									

ITEMS	CHARACTERISTICS																			
VOLTAGE RANGE											16	25	35	40	50	63	80	100	125	
SURGE VOLTAGE	ROOM TEMPERATURE										20	32	44	50	63	79	100	125	157	
TEMPERATURE RANGE											-55 ~ +105°C									
CAPACITANCE RANGE											6.8~560μF									
CAPACITANCE	@ 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°	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 D X L	D +0.5	L MAX	W +0.2	C +0.2	R	P
6.3x4.5	6.3	4.5	6.6	7.3	0.5~0.8	2.2
6.3X6	6.3	6.0	6.6	7.3	0.5~0.8	2.2
6.3X7.7	6.3	7.7	6.6	7.3	0.5~0.8	2.2
8X10.5	8	10.5	8.3	9	0.7~1.0	3.2
10X10.5	10	10.5	10.3	11	1.0~1.4	4.6
10X12.5	10	12.5	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	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	6.3X6	55	1380										10X12.5	19	2650
100							8X10.5	30	1800	10X10.5	24	2400			
120	6.3X7.7	40	1500							10X12.5	18	2750			
150				8X10.5	27	1900	10X10.5	23	2470						
220							10X12.5	17	2830						
270	8X10.5	26	2000	10X10.5	22	2530									
330				10X12.5	16	2900									
470	10X10.5	21	2600												
560	10X12.5	15	3000												

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