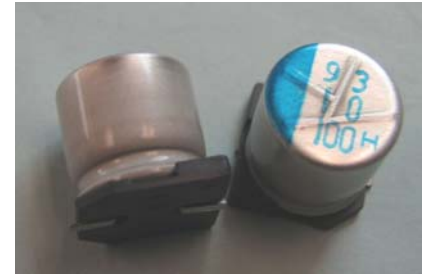


FEATURES

- VERY LOW ESR AT HIGH FREQUENCY
- WIDE TEMPERATURE RANGE
- 5000~10,000 HOUR MINIMUM LIFE
- WIDE VOLTAGE RANGE (UP TO 100VDC)
- VERY HIGH RIPPLE CURRENT
- SOLVENT RESISTANT

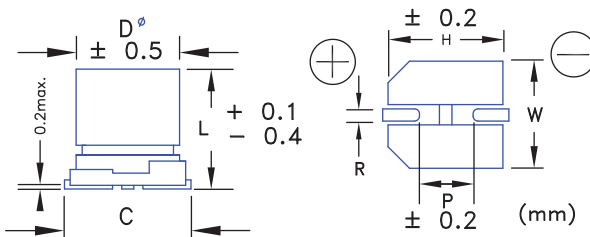


PART NUMBERING

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		25	35	40	50	63	80	100
SURGE VOLTAGE	ROOM TEMPERATURE	32	44	50	63	79	100	125
TEMPERATURE RANGE		-55 ~ +105°C						
CAPACITANCE RANGE		1.7~330μF						
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	DIAM. 6.3mm = 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
6.3X6	6.3	6	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		
5.6										6.3X6	120	980
10										6.3X7.7	80	1200
18							6.3X6	110	1030			
27				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							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		
2.7	6.3X6	150	960						
3.9	6.3X7.7	100	1060						
10							10X10.5	80	1450
12				10X10.5	70	1600	10X12.5	60	1660
15				10X12.5	50	1830			
22	8X10.5	40	1560						
33	10X10.5	30	2100						
47	10X12.5	22	2400						

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