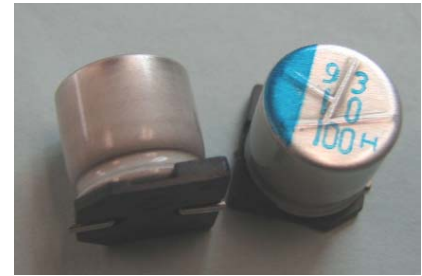


## FEATURES

- SUPER LOW ESR AT HIGH FREQUENCY
- WIDE TEMPERATURE RANGE TO + 105°C
- 3,000~5000 HOUR MINIMUM LIFE
- VERY HIGH RIPPLE CURRENT
- SOLVENT RESISTANT

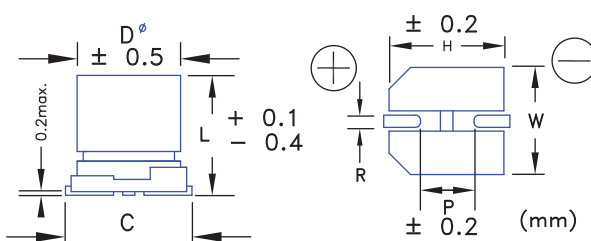


## PART NUMBERING

Part Number Example: MXCPA-016/101M8X10.5TR13F G										
MXCPA	-	016	/	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				6.3	10	16
SURGE VOLTAGE		ROOM TEMPERATURE		8.2	13	20
TEMPERATURE RANGE				-55 ~ +105°C		
CAPACITANCE RANGE				10~1000μF		
CAPACITANCE TOLERANCE		@ 120Hz 20°C		M (+20%)		
DISSIPATION FACTOR %		@ 120Hz 20°C		18	16	14
DC LEAKAGE CURRENT		(μA) AFTER 2 MINUTES		0.2 CV OR 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 = 3000HRS, DIAM. ≥8mm = 5000HRS	
				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
6.3X6.0	6.3	6.0	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		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

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

(µF)	6.3VDC			10VDC			16VDC		
10							6.3X6.0	54	1130
22							6.3X6.0	54	1130
33				6.3X6.0	40	1510	6.3X6.0	54	1130
47				6.3X6.0	40	1510	6.3X7.7	45	1480
							8X10.5	22	2290
68				6.3X6.0	40	1510	8X10.5	22	2290
100	6.3X6.0	36	1630	6.3X7.7	35	1910	8X10.5	22	2290
				8X10.5	18	2800			
150	6.3X6.0	36	1630	6.3X7.7	35	1910	10X10.5	20	2920
				8X10.5	18	2800			
220	6.3X7.7	32	2020	8X10.5	18	2800			
	8X10.5	16	3150						
330	8X10.5	16	3150	8X10.5	18	2800			
390	8X10.5	16	3150						
470	8X10.5	16	3150	10X10.5	16	3650			
560	8X10.5	16	3150	10X10.5	16	3650			
680	10X10.5	15	3890						
820	10X10.5	15	3890						
1000	10X10.5	15	3890						

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