

## FEATURES

- HIGH TEMPERATURE 125°C LONG LIFE
- 6.3, 8 & 10MM 2000hrs, 12.5, 16 3000hrs LIFE, 18mm 5000hours
- WIDE TEMPERATURE RANGE
- DESIGNED FOR AUTOMATIC MOUNTING
- SOLVENT RESISTANT

## PART NUMBERING

Part Number Example: MXLXH-025/331M10X10TR13F									
MXLXH	-	025	/	331	M	10X10	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.									

## SPECIFICATIONS

Performance Characteristics				
Operating Temperature Range	-40°C ~ +125°C.			
Voltage Range	16DC ~ 35VDC.			
Capacitance Range	47µF ~ 3900µF.			
Capacitance Tolerance	±20%.			
Maximum Dissipation Factor (20°C, 120Hz)	Rated Voltage (VDC)	16	25	35
	DF%	20%	16%	14%
Maximum Leakage Current (20°C) (after 2 minutes)	0.01CV			
Load Life Test 105°C D 6.3 to 10mm 2000 hours, D12.5, 16 3000 hours, D 18mm 5000 hours	Capacitance Change	Within ±30% of initial measured value.		
	DF%	Less than 300% of specified value.		
	Leakage Current	Within maximum specified value.		

## STANDARD PRODUCT TABLE (dØ X L(mm))

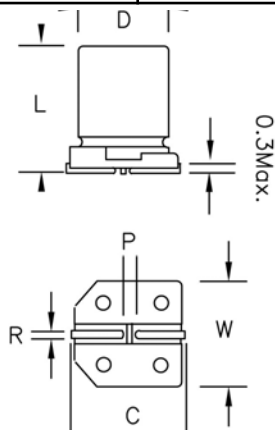
Cap. (µF)	WVDC		
	16	25	35
47			6.3X7.7
100	6.3X7.7	6.3X7.7	8X10.2
160			8X10.2
220		8X10.2	10X10.2
270		8X10.2	
300			10X10.2
330	8X10.2	10X10.2	12.5X13.5
390	8X10.2		
470	10X10.2	10X10.2	12.5X13.5
620			12.5X13.5
680	10X10.2	12.5X13.5	16X16.5
910		12.5X13.5	
1000	12.5X13.5	16X16.5	16X16.5
1500	12.5X13.5	16X16.5	18X16.5
2200	16X16.5	18X16.5	18X21.5
3300	18X16.5	18X21.5	
3900	18X21.5		

**MAXIMUM ESR ( $\Omega$  @ 100KHz & 20°C /40°C)**

Cap. ( $\mu$ F)	WVDC		
	16	25	35
47			0.45/5.0
100	0.45/5.0	0.45/5.0	0.18/3.0
160			0.18/3.0
220		0.18/3.0	0.11/ 2.0
270		0.18/3.0	
300			0.11/ 2.0
330	0.18/3.0	0.11/ 2.0	0.08/ 1.0
390	0.18/3.0		
470	0.11/ 2.0	0.11/ 2.0	0.08/ 1.0
620			0.08/ 1.0
680	0.11/ 2.0	0.08/ 1.0	0.05/ 0.5
910		0.08/ 1.0	
1000	0.08/ 1.0	0.05/ 0.5	0.05/ 0.5
1500	0.08/ 1.0	0.05/ 0.5	0.045/ 0.45
2200	0.05/ 0.5	0.045/ 0.45	0.04/ 0.4
3300	0.045/ 0.45	0.04/ 0.4	
3900	0.04/ 0.4		

**MAXIMUM RIPPLE (mA rms @ 100KHZ & 125°C)**

Cap. ( $\mu$ F)	WVDC		
	16	25	35
47			200
100	200	200	300
160			300
220		300	500
270		300	
300			500
330	300	500	1200
390	300		
470	500	500	1200
620			1200
680	500	1200	1800
910		1200	
1000	1200	1800	1800
1500	1200	1800	2000
2200	1800	2000	2200
3300	2000	2200	
3900	2200		



size D X L	D +0.5 Max	L MAX	W $\pm$ 0.2	C $\pm$ 0.2	R	P $\pm$ 0.2
6.3 X 7.7	6.3	8	6.6	7.3	0.5 ~0.8	2.2
8 X 10.2	8.0	10.5	8.3	9	0.7 ~1.0	3.2
10 X 10.2	10.0	10.5	10.3	11	1.0 ~1.4	4.6
12.5 X 13.5	12.5	14	12.8	13.5	1.0 ~1.4	4.6
16 X 16.5	16.0	17	16.3	17.3	1.8~2.1	7.0
18 X 16.5	18.0	17	19.0	20	1.7~2.1	7.0
18 X 21.5	18	22.5	19	20	1.7~2.1	7.0