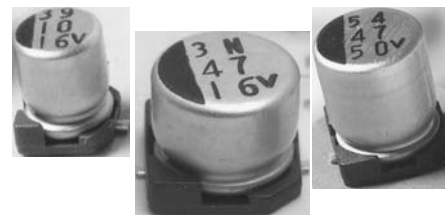


## FEATURES

- Cylindrical leadless type for surface mounting.
- 2000~5000 hour life, 105°C.
- Wide temperature (-40°C ~ +105°C).
- Solvent resistant (2 minutes).
- Designed for automatic mounting and reflow soldering.



## PART NUMBERING

Part Number Example: MXWL-016/100M4X6TR13F									
MXWL	-	016	/	100	M	4X6	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.									

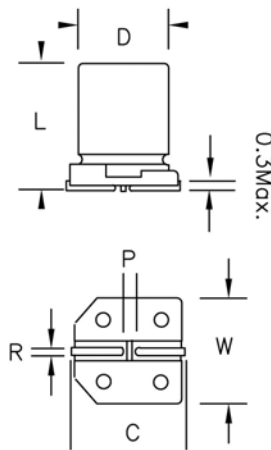
## SPECIFICATIONS

Performance Characteristics							
Operating Temperature Range	-40°C ~ +105°C.						
Temperature Characteristics (120Hz)	Impedance Ratio						
	Rated Voltage (WVDC)	6.3	10	16	25	35	50
	Z (-25°C) / Z (+20°C)	4	3	2	2	2	2
	Z (-40°C) / Z (+20°C)	8	6	4	4	3	3
Voltage Range	6.3VDC ~ 50VDC.						
Surge Voltage (20°C, 120Hz)	VDC	8	13	20	32	44	63
Capacitance Range	1μF ~ 4700μF.						
Maximum Dissipation Factor (20°C, 120Hz)	Rated Voltage (WVDC)	6.3	10	16	25	35	50
	DF %	30	24	20	16	14	14
Maximum Leakage Current (20°C) (after 2 minutes)	0.01CV or 3μA, whichever is greater.						
Load Life Test (105°C) diam 4~6.3= 2000 hours, 8~10= 3000 hours, 12.5~16= 5000 hours	Capacitance Change	Within ±25% of initial measured value.					
	DF	Less than 250% of specific value.					
	Leakage Current	Less than specified value.					

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

Capacitance (μF)	WVDC					
	6.3	10	16	25	35	50
1.0						4 X 6.0
2.2						4 X 6.0
3.3						4 X 6.0
4.7				4 x 6.0	4 x 6.0	5 X 6.0
10			4 x 6.0	5 X 6.0	5 X 6.0	6.3 X 6.0
22	4 x 6.0	5 X 6.0	5 X 6.0	6.3 X 6.0	6.3 X 6.0	6.3 x 7.7
33	5 X 6.0	5 X 6.0	6.3 X 6.0	6.3 X 6.0	6.3 x 7.7	8 x 10.2
47	5 X 6.0	6.3 X 6.0	6.3 X 6.0	6.3 x 7.7	8 x 10.2	8 x 10.2
100	6.3 X 6.0	6.3 X 6.0	6.3 x 7.7	8 x 10.2	8 x 10.2	10 x 10.2
220	6.3 x 7.7	8 x 10.2	8 x 10.2	8 x 10.2	10 x 10.2	12.5 x 13.5
330	8 x 10.2	8 x 10.2	8 x 10.2	10 x 10.2	12.5 x 13.5	
470	8 x 10.2	8 x 10.2	10 x 10.2	12.5 x 13.5		16 x 16.5
680		10 x 10.2		12.5 x 13.5		
1000	10 x 10.2		12.5 x 13.5		16 x 16.5	
1500		12.5 x 13.5		16 x 16.5		
2200	12.5 x 13.5		16 x 16.5			
3300		16 x 16.5				
4700	16 x 16.5					

**DIMENSIONS (mm)**



SIZE D X L	D +0.5 Max.	L MAX	W ± 0.2	C ± 0.2	R	P ± 0.2
4 X 6	4.0	6.3	4.3	5	0.5~0.8	1.0
5 X 6	5.0	6.3	5.3	6	0.5~0.8	1.4
6.3 X 6	6.3	6.3	6.6	7.3	0.5~0.8	2.2
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	1.18~2.1	7.0

**MAXIMUM RIPPLE (mA rms @ 120Hz & 105°C)**

Capacitance (µF)	WVDC					
	6.3	10	16	25	35	50
1.0						7
2.2						11
3.3						13
4.7				13	15	19
10			18	23	25	32
22	22	27	30	42	44	60
33	30	35	44	58	77	140
47	36	46	60	91	150	150
100	67	62	95	150	160	220
220	105	175	175	195	290	340
330	195	195	210	290	380	
470	210	210	290	400		610
680		300		415		
1000	300		440		620	
1500		480		720		
2200	490		785			
3300		820				
4700	860					