

# MER Radial Leads

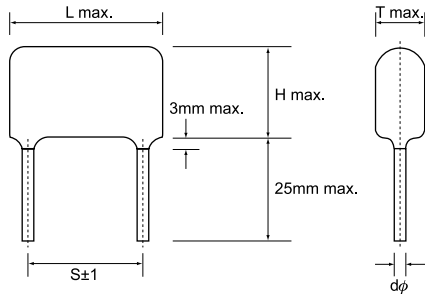
- Non-Inductive construction, metallized polyester film radial leads,
- Multi-layered epoxy resin enhancing performance characteristics and humidity resistance.
- High reliable with self-healing property.
- Minimum loss at high frequency.



## • Specifications

Item	Performance Characteristics	
Operating Temperature range	-55 + 125°C (Full rated voltage at 85°C - Derate linearly to 50%- rated voltage at 125°C)	
Rated Voltage	100 / 250 / 400 / 630 VDC (63V ~ 250VAC optional)	
Capacitance Range	0.01 ~ 12 $\mu$ F	
Capacitance Tolerance	$\pm$ 10%(K) $\pm$ 5%(J)	
Dissipation Factor	0.75% max at 1KHz 25°C	
Dielectric Strength	150% of rated voltage for 2 seconds	
Capacitance Drift	$\pm$ 2% max. within the operating temperature range	
Insulation Resistance	5,000 M $\Omega$ x $\mu$ F (10,000 M $\Omega$ min.) at 25°C	
Moisture Test Humidity : 95% / 40°C 1,000 hours	Capacitance	$\leq$ 5% of initial measured value
	Dissipation Factor	$\leq$ 2% of initial measured value
	Insulation Resistance	$\geq$ 7,000 M $\Omega$
Life Test	Apply 150% of the rated voltage at 85°C for 500 hours	

## • Dimension (mm)



T	10	13	18	23	30
S	7.5	10.0	15.0	20.0	27.0
$\phi$ d	0.6	0.6	0.8	0.8	0.8

## • Standard Products Table

L x T x H (mm)

Cap ( $\mu$ F)	WV	100 VDC	250 VDC	400 VDC	630 VDC
		L x T x H	L x T x H	L x T x H	L x T x H
0.01		13 x 5 x 9	13 x 5 x 9	13 x 5 x 9	13 x 5 x 9
0.022		13 x 6 x 9	13 x 6 x 9	13 x 6 x 9	13 x 6 x 10.5
0.033		13 x 6 x 9	13 x 6 x 9	13 x 6 x 9	18 x 6 x 11
0.047		13 x 6 x 9	13 x 6 x 9	13 x 6 x 9	18 x 6 x 11.5
0.068		13 x 6 x 9	13 x 6 x 9	18 x 5.5 x 9	18 x 7 x 14
0.1		13 x 6 x 11	13 x 6 x 11	18 x 6 x 11	23 x 7 x 12
0.22		13 x 6 x 11	18 x 6 x 10	18 x 7.5 x 14.5	23 x 9.5 x 16
0.33		18 x 7 x 11	18 x 7.5 x 11.5	18 x 10.5 x 16	23 x 12 x 18
0.47		18 x 6 x 9.5	23 x 6.5 x 11	23 x 9 x 15.5	30 x 12 x 18
0.68		18 x 9 x 12	23 x 7 x 13.5	23 x 11 x 18	30 x 13 x 19.5
1		18 x 8 x 13.5	23 x 9 x 14	30 x 11 x 17	30 x 16.5 x 23
2.2		23 x 9 x 16	30 x 10 x 17	30 x 15 x 22	
3.3		23 x 10.5 x 18	30 x 12.5 x 20	39 x 15 x 25	
4.7		30 x 10.5 x 18	30 x 13 x 24	39 x 20 x 26	
6.8		30 x 12.5 x 20	36 x 17 x 24		
10		30 x 16 x 24	44 x 17 x 25		
12		44 x 14.5 x 21.5			