

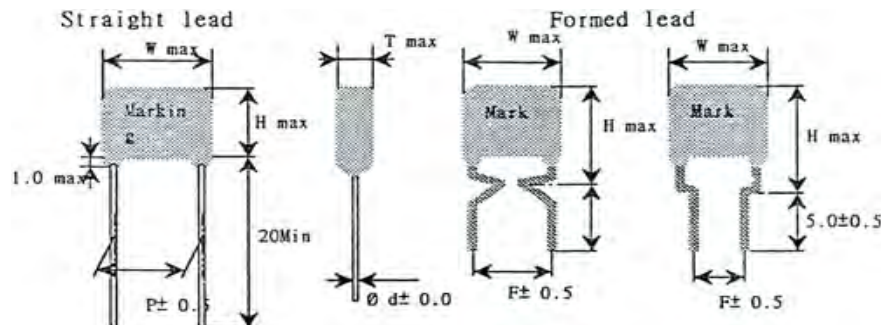
Features
- Very small size, Epoxy coating, Flame retardant to UL94V-0 5mm Lead spacing.
- Self-healing metallized polyester dielectric, Non-inductive construction.
- High performance and efficiencies. Custom values, voltages, and case sizes available upon request.

Application
- Multi-purpose
- Blocking & coupling
- By-passing & Filtering, Timing



### Specifications

Capacitance Range	0.001 $\mu$ F to 1.0 $\mu$ F
Operating Temperature	-40 to +85°C (up to 100°C - derate voltage 1.25% per °C)
Rated Voltage	50/63, 100, 250, 400, 630V DC
Capacitance Tolerance	$\pm$ 2(G), $\pm$ 5(J), $\pm$ 10(K) %
Tangent of Loss Angle	0.008 or LESS (at 1KHz +25°C)
Insulation Resistance	Voltage Charge : 1 min at +25°C, $\pm$ 5°C 50 Vdc for $V_r < 100$ Vdc, 100Vdc for $V_r \geq 100$ Vdc 9,000 or more, $c \leq 0.33\mu$ f 5000S or more $c > 0.33\mu$ f
Voltage Test	1.6 x $V_r$ applied for 2sec +25°C, 5°C (Between Terminal)
Endurance	+85°C, $\pm$ 2°C, 1.25 x $V_r$ , 1000Hr Cap Change: $< \pm$ 5%, DF Change : $< 50 \times 10$ at 1khz Insulation Resistance: $< 50\%$ of limit value
Damp Heat	+40°C $\pm$ 2°C, 93% $\pm$ 2%, 21days Cap Change: $< \pm$ 5%, DF Change : $< 50 \times 10$ at 1khz Insulation Resistance: $< 50\%$ of limit value
Construction	Non-inductive wound metallized polyester film Epoxy dipped encasement, Flame retardant to UL94V-0
Lead Material Color of Body Markings	Solder coated or Tinned solid wire Orange/Brown Capacitance, Tolerance, Voltage When space permits, Capacitor Type will be marked

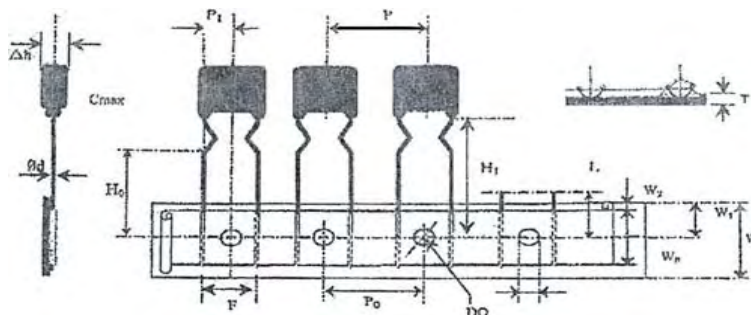


- Special size or items on request.
- Tolerance Dimension  $\pm 0.5$  mm.

Capacitance		50/63VDC					100VDC				
μF	code	T <sub>max</sub>	H <sub>max</sub>	W <sub>max</sub>	P	d	T <sub>max</sub>	H <sub>max</sub>	W <sub>max</sub>	P	d
0.001	102	3.2	5.0		5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.0012	122	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.0015	152	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.0018	182	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.0022	222	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.0027	272	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.0033	332	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.0039	392	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.0047	472	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.0056	562	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.0068	682	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.0082	822	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.010	103	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.012	123	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.015	153	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.018	183	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.022	223	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.027	273	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.033	333	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.039	393	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.047	473	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.056	563	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.068	683	3.2	5.3	6.8	5.0	0.5	3.2	5.3	6.8	5.0	0.5
0.082	823	3.2	5.3	6.8	5.0	0.5	3.2	5.3	6.8	5.0	0.5
0.10	104	3.2	5.5	6.8	5.0	0.5	3.2	5.5	6.8	5.0	0.5
0.12	124	3.2	5.5	6.8	5.0	0.5	3.2	5.5	6.8	5.0	0.5
0.15	154	3.5	6.5	6.8	5.0	0.5	3.5	6.5	6.8	5.0	0.5
0.18	184	4.0	7.0	6.8	5.0	0.5	4.0	7.0	6.8	5.0	0.5
0.22	224	4.0	7.0	6.8	5.0	0.5	4.0	7.0	6.8	5.0	0.5
0.27	274	4.3	8.0	6.8	5.0	0.5	4.3	8.0	6.8	5.0	0.5
0.33	334	4.8	8.0	6.8	5.0	0.5	4.8	8.0	6.8	5.0	0.5
0.39	394	5.0	9.0	6.8	5.0	0.5	5.0	9.0	6.8	5.0	0.5
0.47	474	5.5	9.5	6.8	5.0	0.5	5.5	9.5	6.8	5.0	0.5
0.56	564	5.8	9.5	6.8	5.0	0.5	5.8	9.5	6.8	5.0	0.5
0.68	684	6.3	10.5	6.8	5.0	0.5	6.3	10.5	6.8	5.0	0.5
0.82	824	6.3	10.5	6.8	5.0	0.5	6.3	10.5	6.8	5.0	0.5
1.0	105	6.3	10.5	6.8	5.0	0.5	6.3	10.5	6.8	5.0	0.5

Capacitance		250VDC					400VDC					630VDC				
μF	code	T <sub>max</sub>	H <sub>max</sub>	W <sub>max</sub>	P	d	T <sub>max</sub>	H <sub>max</sub>	W <sub>max</sub>	P	d	T <sub>max</sub>	H <sub>max</sub>	W <sub>max</sub>	P	d
0.0010	102	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.0012	122	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.0015	152	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.0018	182	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.0022	222	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5
0.0027	272	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5	-	-	-	-	-
0.0033	332	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5	-	-	-	-	-
0.0039	392	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5	-	-	-	-	-
0.0047	472	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5	-	-	-	-	-
0.0056	562	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5	-	-	-	-	-
0.0068	682	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5	-	-	-	-	-
0.0082	822	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5	-	-	-	-	-
0.010	103	3.2	5.0	6.8	5.0	0.5	3.2	5.0	6.8	5.0	0.5	-	-	-	-	-
0.012	123	3.2	5.0	6.8	5.0	0.5	-	-	-	-	-	-	-	-	-	-
0.015	153	3.2	5.0	6.8	5.0	0.5	-	-	-	-	-	-	-	-	-	-
0.018	183	3.2	5.0	6.8	5.0	0.5	-	-	-	-	-	-	-	-	-	-
0.022	223	3.2	5.0	6.8	5.0	0.5	-	-	-	-	-	-	-	-	-	-
0.027	273	3.2	5.0	6.8	5.0	0.5	-	-	-	-	-	-	-	-	-	-
0.033	333	3.2	5.0	6.8	5.0	0.5	-	-	-	-	-	-	-	-	-	-
0.039	393	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.047	473	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.056	563	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.068	683	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.082	823	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.10	104	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.12	124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.15	154	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.18	184	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.22	224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.27	274	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.33	334	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.39	394	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.47	474	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.56	564	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.68	684	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.82	824	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.0	105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## Taping Specifications For Automatic Insertion



Description	Symbol	Dimensions (mm)	
		Lead Spacing 5mm	Toll
Lead wire diameter	Φd	0.3	±0.05
Taping pitch	P	12.7	±0.1
Sprocket hole pitch	P0	12.7	±0.2
Centering of the lead wire	P1	3.85	±0.5
Centering of the body	P2	6.35	±1.3
Lead spacing	F	5.0	±0.8
Component alignment	Δh	0	±2.0
Height from sprocket hole	H1	20.0	±0.5
Height	H0	16.0	±0.5
Center to the comp body	L	11.0	±0.5
Tape width	W	18.0	+1.0-0.5
Width of adhesive tape	W0	13.0	±0.5
Sprocket hole alignment	W1	9.0	±0.5
Position of adhesive tape	W2	3max	
Sprocket hole diameter	D0	4.0	±0.2
Tape thickness	T	0.7	±0.2

## Standard Packing Quantity For Box



50-100V		250V		400V	
102-104 values	2000PCS	102-183 values	2000PCS	102-822 values	2000PCS
124-182 values	1500PCS	223-333 values	1500PCS	103-153 values	1500PCS
224-474 values	1200PCS	393-473 values	1200PCS	183-273 values	1200PCS
564-824 values	1000PCS	563-823 values	1000PCS	333-393 values	1000PCS
105-125 values	800PCS	104-224 values	800PCS	474-563 values	800PCS