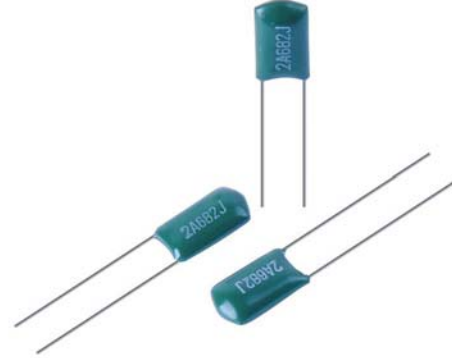
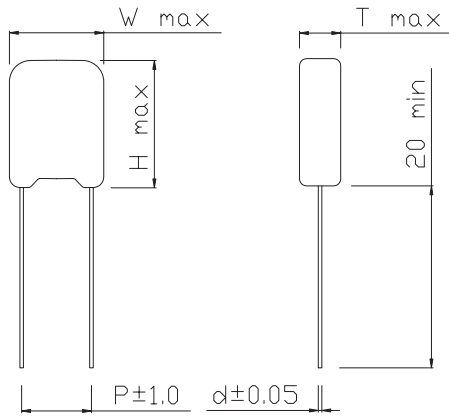


Film Capacitors Series

Polyester Film Capacitor-Inductive Type: CL11



Construction

| | |
|---------------|-----------------------------|
| Dielectric | Polyester Film |
| Electrodes | Aluminum Foil |
| Winding | Inductive type |
| Leads | Tinned Wire |
| Outer coating | Flame retarding epoxy resin |

Features

- Small size and light weight
- Dissipation factor is small because the leads are directly welded to electrodes
- Epoxy resin vacuum-dipped enhances the mechanical strength, humidity resistance.
- Widely used in dc and pulsating circuits of radio, TV sets and various electronic equipments

Specifications

| | |
|------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Reference Standard | IEC 60384-11 |
| Rated Temperature | -40°C ~ +85°C |
| Upper Category Temperature | +105°C |
| Rated Voltage | Derating ratio of rated voltage : +85°C~ +105°C :1.3% per °C for VR(DC) 100VDC,250VDC,400VDC,630VDC,1000VDC,1200VDC |
| Capacitance Range | 0.001μF~0.475μF |
| Capacitance Tolerance | J=±5% K=±10% M=±20% |
| Voltage Proof | Terminal to Terminal:(at20+5°C) 1.6*VR applied for 2 sec. (cut off current 10mA) 1.0%(max)at 1KHz |
| Dissipation factor | ≥20000MΩ CR≤0.1μF |
| Insulation resistance (I.R.) | ≥2000MΩ CR>0.1μF 20+5°C,100V,1min |

ORDER INFORMATION

| | |
|--------------|------------------------------------------------|
| Product No.: | KLS10 - CL11 - XXX X XX - XX |
| Pos.No. | Product Name: CAPACITANCE IN 3DIGITS |
| | CL Capacitor |
| | 332=0.0033uF |
| | 104= 0.1uF |
| | 474= 0.47uF |
| | 105= 1uF |
| | TOL. K= ± 10% J=± 5% |
| | Rated Voltage 100=100VDC 250=250VDC 400=400VDC |
| | Pitch P5=5mm P7.5=7.5mm |

Film Capacitors Series

Polyester Film Capacitor-Inductive Type: CL11

PEI Dimensions

Size unit :mm

| R. V. Size | 50/100VDC | | | | | 200VDC/250VDC | | | | | 400VDC | | | | | 630VDC | | | | | 1000/1200VDC | | | | |
|--------------------|-----------|-----|-----|---------|------------|---------------|-----|-----|---------|------------|--------|-----|-----|---------|------------|--------|-----|-----|---------|------------|--------------|-----|-----|---------|------------|
| | W | H | T | P | d | W | H | T | P | d | W | H | T | P | d | W | H | T | P | d | W | H | T | P | d |
| Cap. (μ F) | Max | Max | Max | ± 1 | ± 0.05 | Max | Max | Max | ± 1 | ± 0.05 | Max | Max | Max | ± 1 | ± 0.05 | Max | Max | Max | ± 1 | ± 0.05 | Max | Max | Max | ± 1 | ± 0.05 |
| 0.001 | 6 | 11 | 4 | 4 | 0.5 | 6 | 12 | 4 | 4 | 0.5 | 6 | 12 | 4 | 4 | 0.5 | 7 | 12 | 4 | 4 | 0.5 | 7 | 14 | 5 | 4 | 0.5 |
| 0.0012 | 6 | 11 | 4 | 4 | 0.5 | 6 | 12 | 4 | 4 | 0.5 | 6 | 12 | 4 | 4 | 0.5 | 7 | 12 | 4 | 4 | 0.5 | 7 | 14 | 5 | 4 | 0.5 |
| 0.0015 | 6 | 11 | 4 | 4 | 0.5 | 6 | 12 | 4 | 4 | 0.5 | 6 | 12 | 4 | 4 | 0.5 | 7 | 12 | 4 | 4 | 0.5 | 7.5 | 14 | 5 | 4 | 0.5 |
| 0.0018 | 6 | 11 | 4 | 4 | 0.5 | 6 | 12 | 4 | 4 | 0.5 | 6 | 12 | 4 | 4 | 0.5 | 7 | 12 | 4 | 4 | 0.5 | 7.5 | 14 | 5 | 4 | 0.5 |
| 0.0022 | 6 | 11 | 4 | 4 | 0.5 | 6 | 12 | 4 | 4 | 0.5 | 6 | 12 | 4 | 4 | 0.5 | 7 | 13 | 5 | 4 | 0.5 | 8 | 14 | 5 | 4 | 0.5 |
| 0.0027 | 6 | 11 | 4 | 4 | 0.5 | 6 | 12 | 4 | 4 | 0.5 | 7 | 12 | 4 | 4 | 0.5 | 7 | 12 | 4 | 4 | 0.5 | 8 | 14 | 6 | 4 | 0.5 |
| 0.0033 | 6 | 11 | 4 | 4 | 0.5 | 6 | 12 | 4 | 4 | 0.5 | 7 | 12 | 4 | 4 | 0.5 | 7 | 12 | 4 | 4 | 0.5 | 8 | 14 | 6 | 4 | 0.5 |
| 0.0039 | 6 | 11 | 4 | 4 | 0.5 | 6 | 12 | 4 | 4 | 0.5 | 7 | 12 | 4 | 4 | 0.5 | 7 | 12 | 4 | 4 | 0.5 | 8 | 14 | 6 | 4 | 0.5 |
| 0.0047 | 7 | 11 | 4 | 4 | 0.5 | 7 | 12 | 4 | 4 | 0.5 | 8 | 12 | 5 | 4 | 0.5 | 8 | 12 | 6 | 4 | 0.5 | 9 | 15 | 6 | 4 | 0.5 |
| 0.0056 | 7 | 11 | 4 | 4 | 0.5 | 7 | 12 | 4 | 4 | 0.5 | 8 | 12 | 5 | 4 | 0.5 | 8 | 12 | 6 | 4 | 0.5 | 10 | 16 | 7 | 5 | 0.5 |
| 0.0068 | 7 | 11 | 4 | 4 | 0.5 | 7 | 12 | 4 | 4 | 0.5 | 9 | 13 | 5 | 4 | 0.5 | 8 | 12 | 6 | 5 | 0.5 | 10 | 16 | 7 | 6 | 0.5 |
| 0.0082 | 7 | 11 | 4 | 4 | 0.5 | 7 | 12 | 4 | 4 | 0.5 | 9 | 14 | 5 | 4 | 0.5 | 9 | 14 | 6 | 5 | 0.5 | 10 | 16 | 8 | 6 | 0.5 |
| 0.01 | 7 | 11 | 5 | 4 | 0.5 | 7 | 12 | 5 | 4 | 0.5 | 10 | 15 | 6 | 4 | 0.5 | 10 | 17 | 7 | 6 | 0.5 | 11 | 17 | 8 | 6 | 0.5 |
| 0.012 | 7 | 11 | 5 | 4 | 0.5 | 7 | 12 | 5 | 4 | 0.5 | 10 | 15 | 6 | 4 | 0.5 | 12 | 17 | 8 | 6 | 0.5 | 12 | 18 | 9 | 6 | 0.5 |
| 0.015 | 8 | 11 | 5 | 4 | 0.5 | 8 | 12 | 5 | 4 | 0.5 | 11 | 15 | 6 | 5 | 0.5 | 12 | 17 | 8 | 6 | 0.5 | 12 | 18 | 9 | 7 | 0.5 |
| 0.018 | 8 | 11 | 5 | 4 | 0.5 | 8 | 12 | 5 | 4 | 0.5 | 11 | 15 | 7 | 5 | 0.5 | 12 | 17 | 9 | 6 | 0.5 | | | | | |
| 0.022 | 8 | 11 | 5 | 4 | 0.5 | 8 | 12 | 5 | 4 | 0.5 | 12 | 16 | 8 | 6 | 0.5 | 13 | 17 | 9 | 8 | 0.5 | | | | | |
| 0.027 | 8 | 12 | 5 | 5 | 0.5 | 8 | 13 | 5 | 5 | 0.5 | 12 | 16 | 9 | 6 | 0.5 | 14 | 18 | 10 | 8 | 0.5 | | | | | |
| 0.033 | 8 | 12 | 5 | 5 | 0.5 | 8 | 13 | 5 | 5 | 0.5 | 12 | 16 | 9 | 6 | 0.5 | 14 | 18 | 10 | 8 | 0.5 | | | | | |
| 0.039 | 9 | 13 | 5 | 5 | 0.5 | 9 | 14 | 5 | 5 | 0.5 | 13 | 17 | 10 | 7 | 0.5 | | | | | | | | | | |
| 0.047 | 9 | 13 | 5 | 5 | 0.5 | 9 | 14 | 6 | 5 | 0.5 | 13 | 17 | 10 | 7 | 0.5 | | | | | | | | | | |
| 0.056 | 10 | 13 | 6 | 6 | 0.5 | 10 | 14 | 6 | 7 | 0.5 | 13 | 17 | 10 | 7 | 0.5 | | | | | | | | | | |
| 0.068 | 10 | 13 | 6 | 6 | 0.5 | 10 | 14 | 6 | 7 | 0.5 | 13 | 18 | 10 | 7 | 0.5 | | | | | | | | | | |
| 0.082 | 11 | 13 | 6 | 7 | 0.5 | 11 | 14 | 6 | 8 | 0.5 | 13 | 18 | 10 | 8 | 0.5 | | | | | | | | | | |
| 0.1 | 12 | 14 | 7 | 7 | 0.5 | 15 | 15 | 10 | 8 | 0.5 | 14 | 19 | 10 | 8 | 0.5 | | | | | | | | | | |
| 0.12 | 12 | 14 | 7 | 7 | 0.5 | | | | | | | | | | | | | | | | | | | | |
| 0.15 | 12 | 15 | 7 | 7 | 0.5 | | | | | | | | | | | | | | | | | | | | |
| 0.18 | 12 | 16 | 8 | 7 | 0.5 | | | | | | | | | | | | | | | | | | | | |
| 0.22 | 12 | 16 | 8 | 7 | 0.5 | | | | | | | | | | | | | | | | | | | | |
| 0.27 | 13 | 16 | 9 | 7 | 0.5 | | | | | | | | | | | | | | | | | | | | |
| 0.33 | 14 | 17 | 9 | 8 | 0.5 | | | | | | | | | | | | | | | | | | | | |
| 0.39 | 14 | 17 | 9 | 8 | 0.5 | | | | | | | | | | | | | | | | | | | | |
| 0.47 | 15 | 17 | 10 | 8 | 0.5 | | | | | | | | | | | | | | | | | | | | |

• The above dimensions are for reference only. The final dimensions are subject to our specifications.

ORDER INFORMATION

Product No.: KLS10 - CL11 - XXX X XX - XX

| | | | | | |
|---------|---------------|--------------------|---------------|---------------|------------|
| Pos.No. | Product Name: | CAPACITANCE | TOL. | Rated Voltage | Pitch |
| | CL Capacitor | IN 3DIGITS | K= $\pm 10\%$ | 100=100VDC | P5=5mm |
| | | 332=0.0033 μ F | J= $\pm 5\%$ | 250=250VDC | P7.5=7.5mm |
| | | 104= 0.1 μ F | | 400=400VDC | |
| | | 474= 0.47 μ F | | | |
| | | 105= 1 μ F | | | |

