

# Type DLR Film/Foil Polyester Film Capacitors

## Radial Leaded Film/Foil Capacitors



Type DLR is a radial leaded, multiple dipped with epoxy resin, polyester film/foil capacitor. The DLR boasts superior heat and humidity resistance, stable capacitance, exceptionally high value, and low cost. Because of the resulting inductance from automated single-point attachment of the leads, Type DLR is best suited for DC and low-frequency applications.

### Highlights

- Compact size
- High value
- Inductive
- Low cost

### Specifications

**Capacitance Range:** .001 to .68  $\mu\text{F}$

**Voltage Range:** 100 Vdc (63 Vac, 60Hz)

**Capacitance Tolerance:**  $\pm 5\%$  (J) standard

**Operating Temperature Range:** - 40 to 85  $^{\circ}\text{C}$

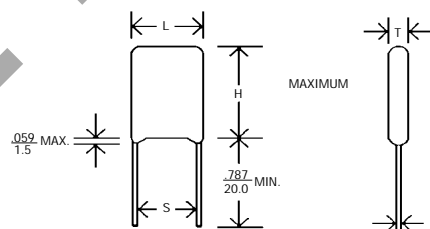
**Pulse Capability:** 500 V/ $\mu\text{s}$  Max.

**Insulation Resistance:** 50,000 M $\Omega$  Min. @ 25  $^{\circ}\text{C}$

**Dissipation Factor:** 0.75 % Max. (25  $^{\circ}\text{C}$ , 1kHz)

**Dielectric Strength:** 250% ( for 5 s )

**Life Test:** 1000 h at 85  $^{\circ}\text{C}$  at 125% rated voltage



### Ratings

**RoHS Compliant**

Cap ( $\mu\text{F}$ )	Catalog Part Number	T Max. Inches (mm)	H Max. Inches (mm)	L Max. Inches (mm)	S $\pm 0.04$ ( $\pm 1.0$ ) Inches (mm)	d $\pm 0.02$ ( $\pm .05$ ) Inches (mm)
.0010	DLR1D1J-F	0.138 (3.5)	0.414 (10.5)	0.236 (6.0)	0.138 (3.5)	0.02/0.024 0.5/0.6
.0015	DLR1D15J-F	0.138 (3.5)	0.414 (10.5)	0.236 (6.0)	0.138 (3.5)	0.02/0.024 0.5/0.6
.0022	DLR1D22J-F	0.138 (3.5)	0.414 (10.5)	0.236 (6.0)	0.138 (3.5)	0.02/0.024 0.5/0.6
.0033	DLR1D33J-F	0.138 (3.5)	0.414 (10.5)	0.236 (6.0)	0.138 (3.5)	0.02/0.024 0.5/0.6
.0047	DLR1D47J-F	0.138 (3.5)	0.414 (10.5)	0.256 (6.5)	0.138 (3.5)	0.02/0.024 0.5/0.6
.0068	DLR1D68J-F	0.138 (3.5)	0.414 (10.5)	0.256 (6.5)	0.138 (3.5)	0.02/0.024 0.5/0.6
.010	DLR1S1J-F	0.158 (4.0)	0.414 (10.5)	0.256 (6.5)	0.177 (4.5)	0.02/0.024 0.5/0.6
.015	DLR1S15J-F	0.158 (4.0)	0.453 (11.5)	0.295 (7.5)	0.177 (4.5)	0.02/0.024 0.5/0.6
.022	DLR1S22J-F	0.158 (4.0)	0.453 (11.5)	0.315 (8.0)	0.197 (5.0)	0.02/0.024 0.5/0.6
.033	DLR1S33J-F	0.177 (4.5)	0.453 (11.5)	0.315 (8.0)	0.197 (5.0)	0.02/0.024 0.5/0.6
.047	DLR1S47J-F	0.197 (5.0)	0.473 (12.0)	0.374 (9.5)	0.197 (5.0)	0.02/0.024 0.5/0.6
.068	DLR1S68J -F	0.236 (6.0)	0.492 (12.5)	0.414 (10.5)	0.276 (7.0)	0.02/0.024 0.5/0.6
.100	DLR1P1J-F	0.256 (6.5)	0.492 (12.5)	0.473 (12.0)	0.295 (7.5)	0.02/0.024 0.5/0.6
.150	DLR1P15J-F	0.276 (7.0)	0.590 (15.0)	0.591 (15.0)	0.295 (7.5)	0.02/0.024 0.5/0.6
.220	DLR1P22J-F	0.335 (8.5)	0.670 (17.0)	0.618 (15.7)	0.354 (9.0)	0.02/0.024 0.5/0.6
.330	DLR1P33J-F	0.374 (9.5)	0.768 (19.5)	0.650 (16.5)	0.394 (10.0)	0.02/0.024 0.5/0.6
.470	DLR1P47J-F	0.414 (10.5)	0.807 (20.5)	0.768 (19.5)	0.394 (10.0)	0.02/0.024 0.5/0.6

**NOTE:** Other capacitance values, sizes and performance specifications are available. Contact us.

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