

# Type DLR Film/Foil Polyester Film Capacitors

## Radial Leaded Film/Foil Capacitors



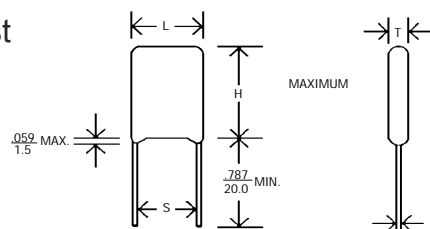
Type DLR is a radial leaded, multiple dipped with epoxy resin, polyester film/foil capacitor. The DLR boasts superior heat and humidity resistance, stable capacitance, exceptionally high value, and low cost. Because of the resulting inductance from automated single-point attachment of the leads, Type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

### Highlights

- Compact size
- High value
- Inductive
- Low cost

### Specifications

- Capacitance Range:** .001 to .68  $\mu$ F  
**Voltage Range:** 100 Vdc (63 Vac, 60Hz)  
**Capacitance Tolerance:**  $\pm$ 10% (K) standard,  $\pm$ 5% (J) special request  
**Operating Temperature Range:** - 40 to 85  $^{\circ}$ C  
**Pulse Capability:** 500 V/ $\mu$ s Max.  
**Insulation Resistance:** 50,000 M $\Omega$  Min. @ 25  $^{\circ}$ C  
**Dissipation Factor:** 0.75% Max. (25  $^{\circ}$ C, 1kHz)  
**Dielectric Strength:** 250% (for 5 s)  
**Life Test:** 1000 h at 85  $^{\circ}$ C at 125% rated voltage



### Ratings

**RoHS Compliant**

Cap ( $\mu$ F)	Catalog Part Number	T		H		L		S		d	
		Max.	Inches (mm)	Max.	Inches (mm)	Max.	Inches (mm)	$\pm$ .04 ( $\pm$ 1.0)	Inches (mm)	$\pm$ .002 ( $\pm$ .05)	Inches (mm)
.0010	DLR1D1K-F	0.138	(3.5)	0.414	(10.5)	0.236	(6.0)	0.138	(3.5)	0.02	(0.5)
.0015	DLR1D15K-F	0.138	(3.5)	0.414	(10.5)	0.236	(6.0)	0.138	(3.5)	0.02	(0.5)
.0022	DLR1D22K-F	0.138	(3.5)	0.414	(10.5)	0.236	(6.0)	0.138	(3.5)	0.02	(0.5)
.0033	DLR1D33K-F	0.138	(3.5)	0.414	(10.5)	0.236	(6.0)	0.138	(3.5)	0.02	(0.5)
.0047	DLR1D47K-F	0.138	(3.5)	0.414	(10.5)	0.256	(6.5)	0.138	(3.5)	0.02	(0.5)
.0068	DLR1D68K-F	0.138	(3.5)	0.414	(10.5)	0.256	(6.5)	0.138	(3.5)	0.02	(0.5)
.010	DLR1S1K-F	0.158	(4.0)	0.414	(10.5)	0.256	(6.5)	0.177	(4.5)	0.02	(0.5)
.015	DLR1S15K-F	0.158	(4.0)	0.453	(11.5)	0.295	(7.5)	0.177	(4.5)	0.02	(0.5)
.022	DLR1S22K-F	0.158	(4.0)	0.453	(11.5)	0.315	(8.0)	0.197	(5.0)	0.02	(0.5)
.033	DLR1S33K-F	0.177	(4.5)	0.453	(11.5)	0.315	(8.0)	0.197	(5.0)	0.02	(0.5)
.047	DLR1S47K-F	0.197	(5.0)	0.473	(12.0)	0.374	(9.5)	0.197	(5.0)	0.02	(0.5)
.068	DLR1S68K -F	0.236	(6.0)	0.492	(12.5)	0.414	(10.5)	0.276	(7.0)	0.02	(0.5)
.100	DLR1P1K-F	0.256	(6.5)	0.492	(12.5)	0.473	(12.0)	0.295	(7.5)	0.02	(0.5)
.150	DLR1P15K-F	0.276	(7.0)	0.590	(15.0)	0.591	(15.0)	0.295	(7.5)	0.024	(0.6)
.220	DLR1P22K-F	0.335	(8.5)	0.670	(17.0)	0.618	(15.7)	0.354	(9.0)	0.024	(0.6)
.330	DLR1P33K-F	0.374	(9.5)	0.768	(19.5)	0.650	(16.5)	0.394	(10.0)	0.024	(0.6)
.470	DLR1P47K-F	0.414	(10.5)	0.807	(20.5)	0.768	(19.5)	0.394	(10.0)	0.024	(0.6)

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