

# 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  $^{\circ}\text{C}$

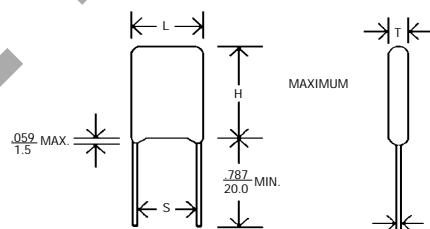
**Pulse Capability:** 500 V/ $\mu\text{s}$  Max.

**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		H		L		S		d	
		Max.	Inches (mm)	Max.	Inches (mm)	Max.	Inches (mm)	$\pm 0.04$ ( $\pm 1.0$ )	Inches (mm)	$\pm 0.02$ ( $\pm 0.05$ )	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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OBSOLETE