

Type DLR Film/Foil Polyester Film Capacitors

Radial Leaded Film/Foil Capacitors



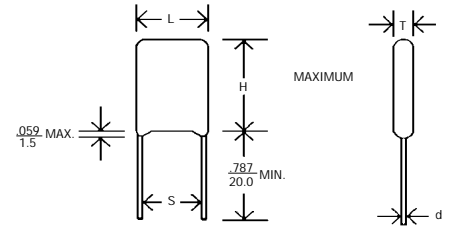
Type DLR is a radial leaded, multiple dipped with epoxy resin, polyester film/foil capacitor. The DLR boasts superior heat and humidity resistance, stable capacitance, exceptionally high value, and low cost. Because of the resulting inductance from automated single-point attachment of the leads, Type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

Highlights

- Compact size
- High value
- Inductive
- Low cost

Specifications

- Capacitance Range:** .001 to .68 μF
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/ μs Max.
Insulation Resistance: 50,000 M Ω 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 (μF)	Catalog Part Number	T		H		L		S		d	
		Max.	Inches (mm)	Max.	Inches (mm)	Max.	Inches (mm)	± 0.04 (± 1.0)	Inches (mm)	± 0.02 (± 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.

Notice and Disclaimer: All product drawings, descriptions, specifications, statements, information and data (collectively, the "Information") in this datasheet or other publication are subject to change. The customer is responsible for checking, confirming and verifying the extent to which the Information contained in this datasheet or other publication is applicable to an order at the time the order is placed. All Information given herein is believed to be accurate and reliable, but it is presented without any guarantee, warranty, representation or responsibility of any kind, expressed or implied. Statements of suitability for certain applications are based on the knowledge that the Cornell Dubilier company providing such statements ("Cornell Dubilier") has of operating conditions that such Cornell Dubilier company regards as typical for such applications, but are not intended to constitute any guarantee, warranty or representation regarding any such matter – and Cornell Dubilier specifically and expressly disclaims any guarantee, warranty or representation concerning the suitability for a specific customer application, use, storage, transportation, or operating environment. The Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by Cornell Dubilier with reference to the use of any Cornell Dubilier products is given gratis (unless otherwise specified by Cornell Dubilier), and Cornell Dubilier assumes no obligation or liability for the advice given or results obtained. Although Cornell Dubilier strives to apply the most stringent quality and safety standards regarding the design and manufacturing of its products, in light of the current state of the art, isolated component failures may still occur. Accordingly, customer applications which require a high degree of reliability or safety should employ suitable designs or other safeguards (such as installation of protective circuitry or redundancies or other appropriate protective measures) in order to ensure that the failure of an electrical component does not result in a risk of personal injury or property damage. Although all product-related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicated in such warnings, cautions and notes, or that other safety measures may not be required.