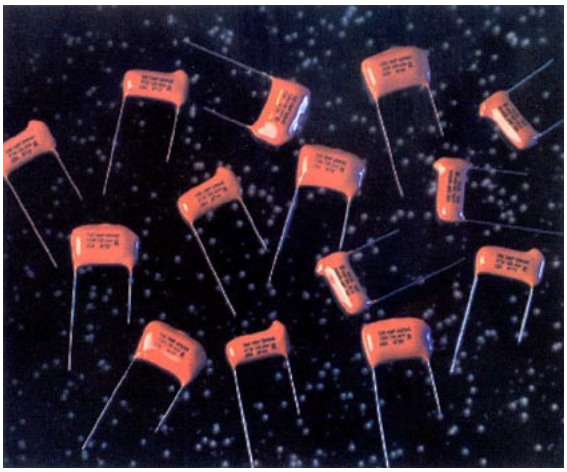
Type 298P Orange Drop®
R-C Network
330 Volts A-C



Features

- Designed for arc suppression, snubber and line frequency applications.
- Low cost, single low-profile package, Radial-lead.
- High A-C voltage polyester film/foil capacitor and low value ½ watt carbon composition resistor connected in series.

Specifications

Capacitance Values:
0.047 and 0.1 µF

Resistor Values:
47, 100 and 470 Ohms

Tolerance:
±10% for both capacitor and resistor

Voltage Rating:
330 Volts A-C/500 Volts D-C

Corona Start Voltage (typical):
450-500 Volts RMS

Insulation Resistance:
10,000 MΩ minimum at +25°C

Operating Temperature Range:
-40°C to +85°C

Capacitor Construction:
Polyester film non-inductively wound with extended foil. Series-section, hybrid design utilizes a floating common of metallized polyester film, which provides self-healing characteristics.

Resistor:
½ watt carbon composition

Capacitor Lead Wire:
Tinned copper-clad steel, 0.032 (0.8) diameter, #20 AWG

Resistor Lead Wire:
Tinned copper, 0.028 (0.7) diameter, #22 AWG

Encapsulation:
Conformal coating of flame retardant orange epoxy (meets UL94V-0 specifications)

RoHS Compliant

Dimensions in inches, metric (mm) in parenthesis.

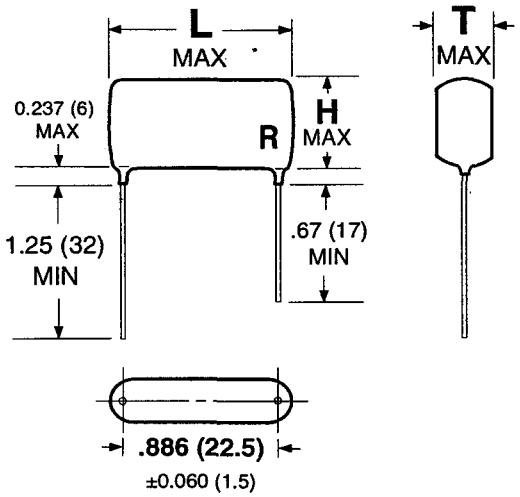
Type 298P, Orange Drop®, R-C Network Arc Suppressors

Ordering/Part Number Information

298P 104 9 330 L 101 (XXXX)

- **(XXXX)** A suffix may be added by the factory to denote special construction, marking, etc.
- **101 — Resistor** Expressed in ohms. The first two digits are significant figures, the third is the number of zeros following. (i.e. 101 = 100 ohms)
- **L — Case Code** See Standard Sizes/Ratings Table
- **330 — A-C Voltage Rating** Expressed in Volts
- **9 — Capacitance Tolerance** 9 = ±10%
- **104 — Capacitance** Expressed in Picofarads. The first two digits are the significant figures, the third is the number of zeros following. (i.e. 104 = 100000 pF = .1 µF)
- **298P — CDE Type Number** Identifies the basic capacitor design.

Dimensions/Lead Spacing



Standard Marking Format

Marking	Description	
CDE298P330VAC 104K 100 ohm USA 9810 R	CDE	CDE identification
	298P	Type number
	330VAC	A-C Voltage rating, Volts
	104K	Capacitance and tolerance code (EIA tolerance code, K = ±10%)
	100 ohm	Resistor value in ohms
	9810	Date code (i.e. 10th week of 1998)
	USA	Made in Vermont, USA
	R	Indicates resistor side of network

Type 298P Standard Sizes/Ratings - 330 VAC/500 VDC*

Cap Value, µF	Resistor, Ω	Part Number[1]	L	T	H
0.047	47	298P4739330L470	1.15 (29.2)	.35 (8.9)	.64 (16.3)
0.047	100	298P4739330L101	1.15 (29.2)	.35 (8.9)	.64 (16.3)
0.047	470	298P4739330L471	1.15 (29.2)	.35 (8.9)	.64 (16.3)
0.1	47	298P1049330L470	1.15 (29.2)	.45 (11.4)	.68 (17.3)
0.1	100	298P1049330L101	1.15 (29.2)	.45 (11.4)	.68 (17.3)
0.1	470	298P1049330L471	1.15 (29.2)	.45 (11.4)	.68 (17.3)

* Voltage rating at 60 Hz, RMS

Dimensions in inches, metric (mm) in parenthesis.

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