

## Type 288P Orange Drop<sup>®</sup> R-C Arc Suppressor Network

### Features

- Designed for arc and transient suppression. Extends life of relays, switches, triacs and related products.
- Low cost, single low-profile package, Radial-lead.
- Metallized polyester film capacitor and low value  $\frac{1}{2}$  watt carbon composition resistor connected in series.



### Specifications

**Capacitance Values:**

.1, .22 and .47  $\mu$ F

**Resistor Values:**

47, 100 and 470 Ohms

**Tolerance:**

$\pm 10\%$  for both capacitor and resistor.

**Voltage Rating:**

400 Volts D-C/250 Volts A-C

**Insulation Resistance:**

10,000 M $\Omega$  minimum at +25°C

**Operating Temperature Range:**

-40°C to +85°C

**Capacitor Section:**

Metallized polyester film.

**Resistor:**

$\frac{1}{2}$  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-2 specifications).

**A-C Voltage Operation:**

250 Volts RMS, maximum. Sum of D-C and peak A-C voltages not to exceed D-C rating of 400 VDC.

**Humidity Test:**

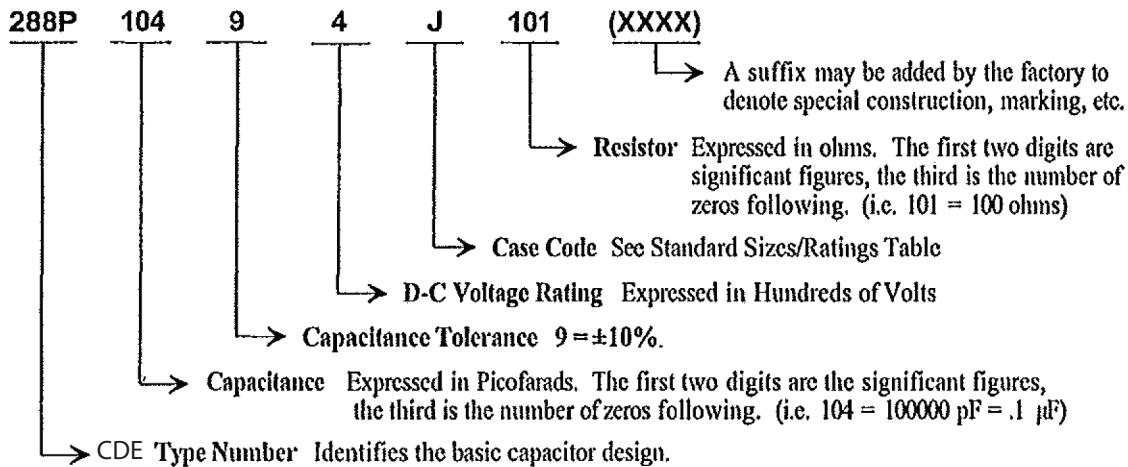
Units subjected to 95% relative humidity at +75°C for 72 hours with no voltage applied. After drying, minimum IR shall be 5000 M $\Omega$  at +25°C and 400 VDC.

Dimensions in inches, metric (mm) in parenthesis.

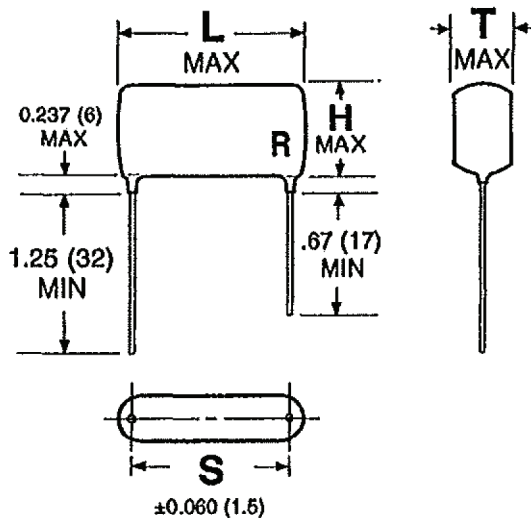
[RoHS Compliant](#)

# Type 288P, Orange Drop<sup>®</sup>, R-C Network Arc Suppressors

## Ordering/Part Number Information



## Dimensions



## Standard Marking Format

### Marking

CDE 288P400V  
 104K 100 ohm  
 0515 R

### Description

CDE CDE Electronics identification  
 288P Type number  
 400V D-C Voltage rating, Volts  
 104K Capacitance and tolerance code (EIA tolerance code, K = ±10%)  
 100 ohm Resistor value in ohms  
 0515 Weekly date code (i.e. 15th week of 2005)  
 R Indicates resistor side of network

## Type 288P Standard Sizes/Ratings - 400 VDC/250 VAC\*

Cap Value, μF	Resistor, Ω	Part Number <sup>1</sup>	L	T	H	S
0.1	100	288P10494J101	1.000 (25.4)	.46 (11.7)	.63 (16.0)	.691 (17.6)
0.1	470	288P10494J471	1.000 (25.4)	.46 (11.7)	.63 (16.0)	.691 (17.6)
0.22	100	288P22494H101	1.125 (28.6)	.37 (9.4)	.59 (15.0)	.817 (20.8)
0.22	470	288P22494H471	1.125 (28.6)	.37 (9.4)	.59 (15.0)	.817 (20.8)
0.47	47	288P47494K470	1.437 (36.5)	.41 (10.4)	.63 (16.0)	1.129 (28.7)
0.47	100	288P47494K101	1.437 (36.5)	.41 (10.4)	.63 (16.0)	1.129 (28.7)

\* Voltage rating at 60 Hz, RMS

Dimensions in inches, metric (mm) in parenthesis.

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