

Type 288P Orange Drop® 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 μ 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 Ω 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.

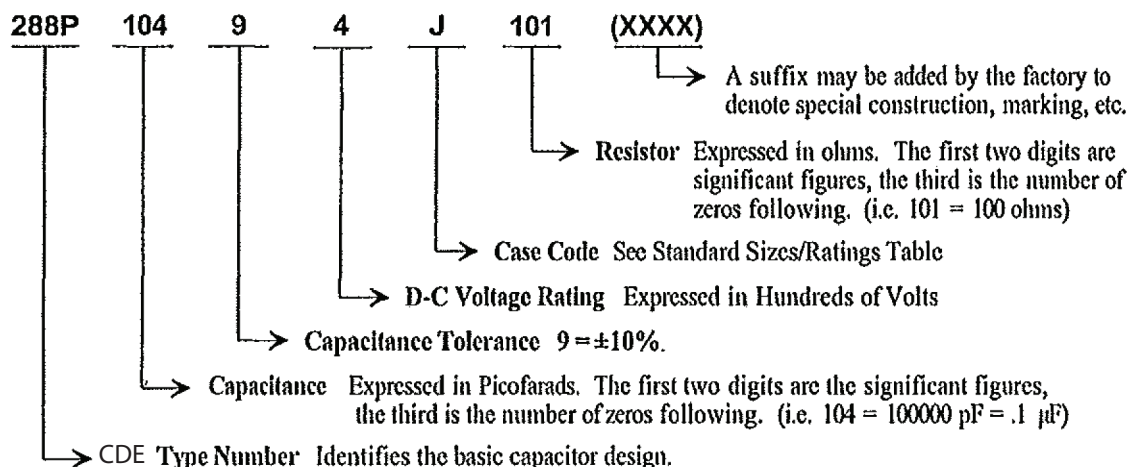
Humidity Test:
Units subjected to 95% relative humidity
at +75°C for 72 hours with no voltage
applied. After drying, minimum IR shall
be 5000 M Ω at +25°C and 400 VDC.

Dimensions in inches, metric (mm) in parenthesis.

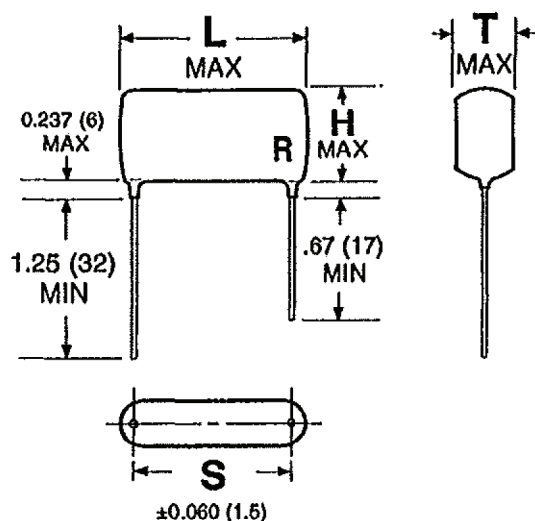
[RoHS Compliant](#)

Type 288P, Orange Drop®, R-C Network Arc Suppressors

Ordering/Part Number Information



Dimensions



Standard Marking Format

Marking

CDE 288P400V
104K 100 ohm
0515 R

Description

CDE Electronics identification
288P Type number
400V D-C Voltage rating, Volts
104K Capacitance and tolerance code (EIA tolerance code, K = $\pm 10\%$)
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, μ F	Resistor, Ω	Part Number [†]	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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