

Type RS600

Resettable Fuse (PTC's)

Radial Leaded



www.optifuse.com (800) 621-0326

Application:

Telecommunications and Data transmitting

Product Features:

Low hold current, Solid State

Radial-leaded product ideal for up to 600V

Operation Current: 150mA~160mA

Maximum Voltage: 600V

Temperature Range: -40°C to 85°C

Agency Standards and Listings:



Electrical Characteristics (23°C)

Part Number	Hold Current	Maximum Current	Max Oper. Voltage	Max Int. Voltage	Resistance Tolerance	
	I_H , A	I_{MAX} , A	V_{MAX} , V	$V_{I_{MAX}}$, V	R_{MIN}	R_{1MAX}
					Ω	Ω
RS600-015	0.15	3.0	250	600	6.0	22.0
RS600-016	0.16	3.0	250	600	4.0	18.0

I_H = **Hold Current** – Maximum current at which the device will not trip at 23°C still air.

I_T = **Trip Current** – Minimum current at which the device will always trip at 23°C still air.

V_{MAX} = Maximum voltage device can withstand without damage at it's rated current.

$V_{I_{MAX}}$ = Maximum interrupt voltage device can withstand for short period of time (Not for long term.)

I_{MAX} = Maximum fault current device can withstand without damage at rated voltage (V max).

P_d = Maximum power dissipated from device when in the tripped state in 23°C still air environment.

R_{MIN} = Minimum device resistance at 23°C.

R_{1MAX} = Maximum device resistance at 23°C, 1 hour after tripping.

Physical Specifications:

Lead Material: Tin plated copper, 22 AWG.

Soldering Characteristics: MIL-STD-202, method 208E.

Insulating Coating: Flame retardant epoxy, meet UL-94V-0 requirement.

Note: All RS600 products are designed to assist equipment to pass ITU, UL1950 or GR1089 specifications.

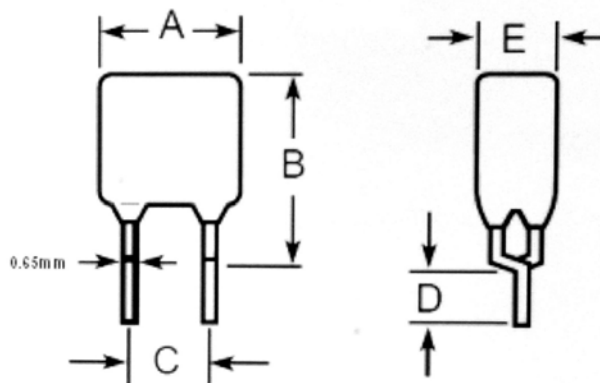
Caution: RS600 Devices are not intended for continuous use of Line Voltage such as 120 VAC ~ 600VAC and above.

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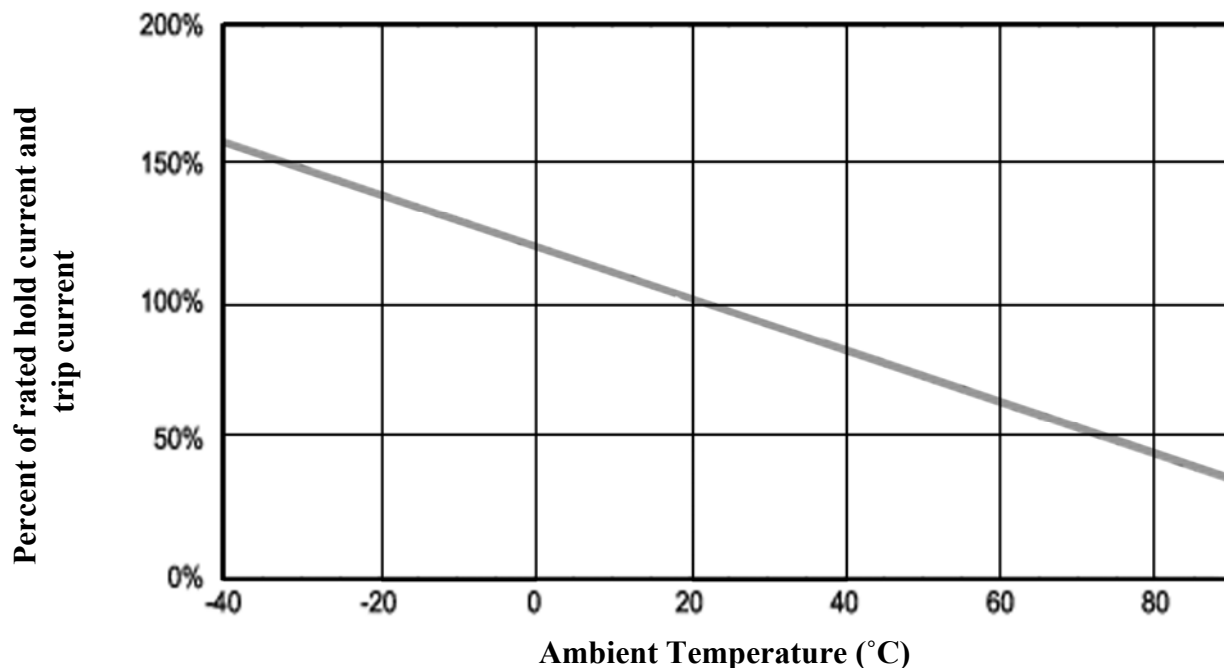
RS600 Product Dimensions (millimeters)



Lead Size: 22AWG
 0.65 mm Diameter

Part Number	A	B	C	D	E
	Maximum	Maximum	Typical	Minimum	Maximum
RS600-015	13.5	12.6	5.0	4.7	6.0
RS600-016	16.0	12.6	5.0	4.7	6.0

Thermal Derating Curve – Type RS600



Note: All specifications subject to change without notice.

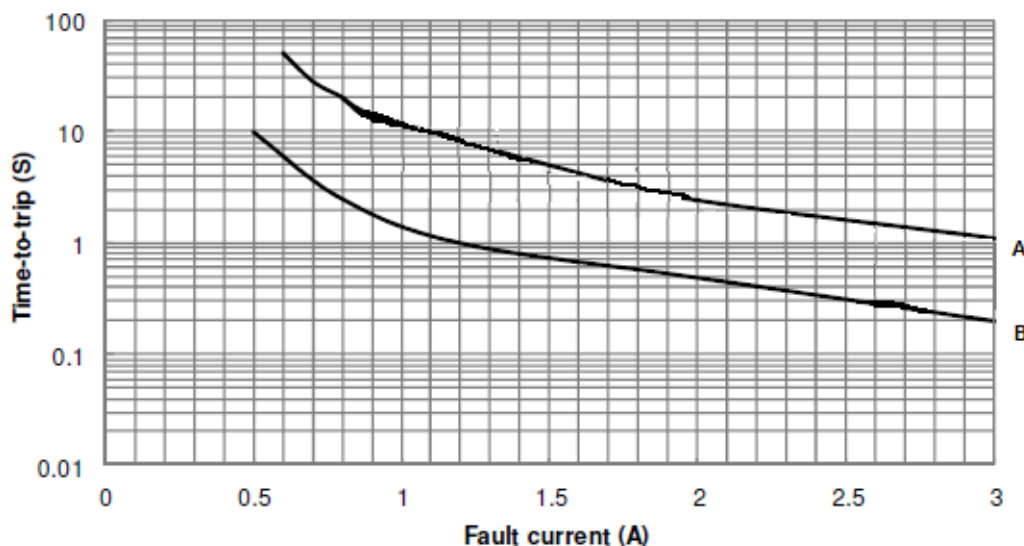
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Typical Time-To-Trip at 23°C

A = RS600-015
 B = RS600-016



Standard Package

Part Number	Pcs/Bag	Reel/Tape
RS600-015	100	600
RS600-016	100	600

Warning:



-Operation beyond the specified maximum ratings or improper use may result in damage and possible electrical arcing and/or flame.
 -PPTC device are intended for occasional overcurrent protection. Application for repeated overcurrent condition and/or prolonged trip are not anticipated.
 -Avoid contact of PPTC device with chemical solvent. Prolonged contact will damage the device performance.