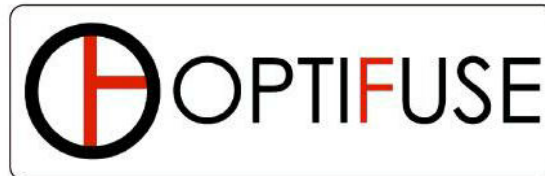


# Type RS600

## 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	$R_{MIN}$	$R_{1MAX}$
					$\Omega$	$\Omega$
<b>RS600-015</b>	0.15	3.0	250	600	6.0	22.0
<b>RS600-016</b>	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.

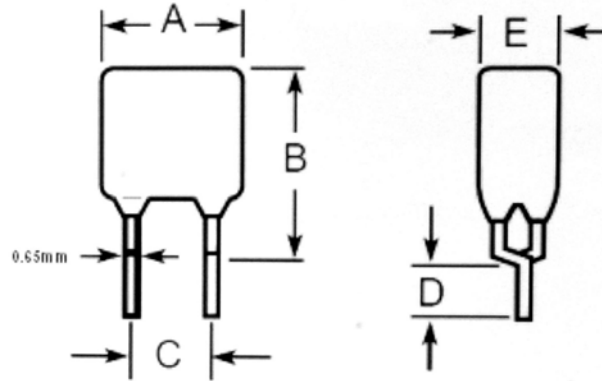
**Caution:** RS600 Devices are not intended for continuous use of Line Voltage such as 120 VAC ~ 600VAC and above.

**Type RS600**  
**Resettable Fuse (PTC's)**  
**Radial Leaded**



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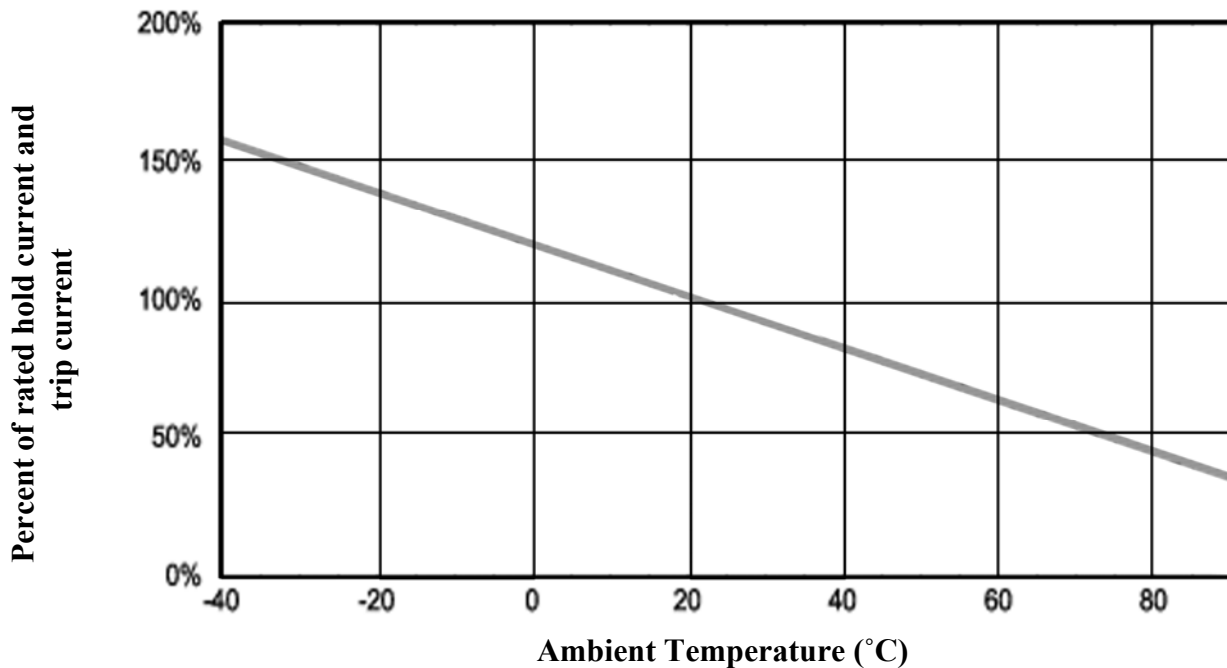
**RS600 Product Dimensions (millimeters)**



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.

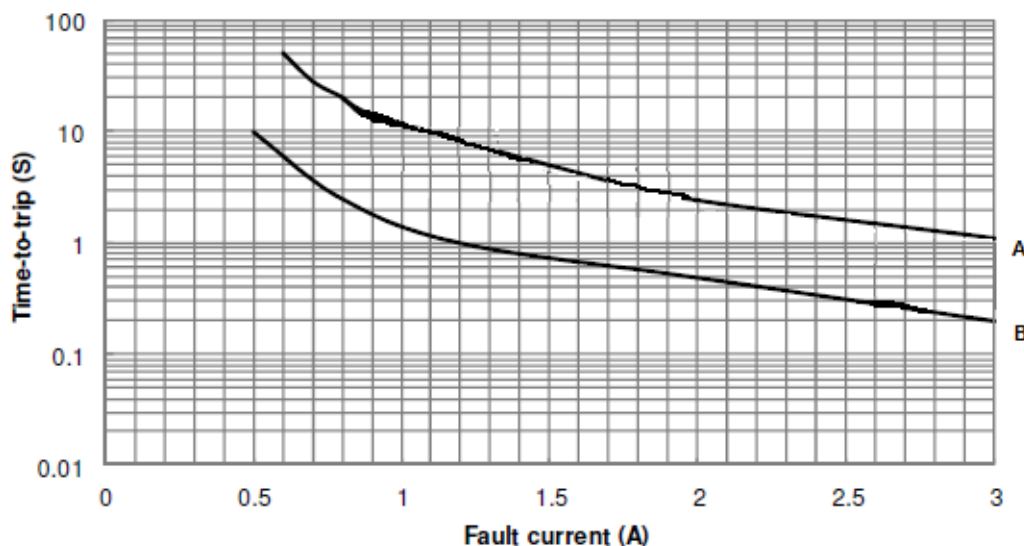
**Type RS600  
Resettable Fuse (PTC's)  
Radial Leaded**



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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.