

Type RS36

Resettable Fuse (PTC's)

Radial Leaded



www.optifuse.com (800) 621-0326

Application:

IEEE 1394 Fire Wire, Computers & Consumer electronics

Product Features:

Fast trip time, Lower trip-to-hold Ratio.
Radial-leaded product ideal for up to 36V

Operation Current: 500mA~2.50A

Maximum Voltage: 36V

Temperature Range: -40°C to 85°C

Agency Standards and Listings:



Electrical Characteristics (23°C)

Part Number	Hold Current	Trip Current	Maximum Current	Rated Voltage	Typical Power	Resistance Tolerance	
	I_H, A	I_T, A	I_{MAX}, A	V_{MAX}, Vdc	Pd, W	R_{MIN} Ω	$R1_{MAX}$ Ω
RS36-050	0.50	1.00	40	36	0.67	0.140	0.448
RS36-075	0.75	1.50	40	36	0.71	0.115	0.368
RS36-090	0.90	1.80	40	36	0.74	0.090	0.288
RS36-120	1.20	2.30	40	36	0.78	0.074	0.180
RS36-135	1.35	2.50	40	36	0.84	0.059	0.143
RS36-160	1.60	2.75	40	36	0.86	0.041	0.131
RS36-190	1.90	3.00	40	36	0.90	0.045	0.092
RS36-220	2.20	3.50	40	36	0.95	0.025	0.080
RS36-250	2.50	4.00	40	36	0.99	0.020	0.064

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.

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

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

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

$R1_{MAX}$ = Maximum device resistance at 23°C, 1 hour after tripping.

Physical Specifications:

Lead Material: Tin plated copper, 24 AWG.

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

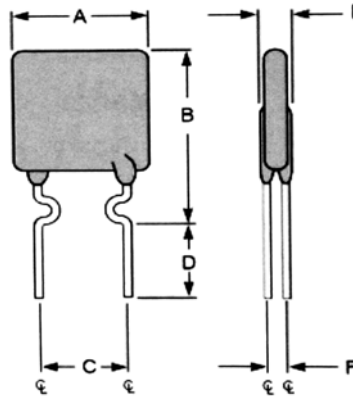
Insulating Coating: Flame retardant epoxy, meet UL-94V-0 requirement.

Type RS36
Resettable Fuse (PTC's)
Radial Leaded



www.optifuse.com (800) 621-0326

RS36 Product Dimensions (millimeters)



Lead Size: 24AWG,
0.51 mm Diameter

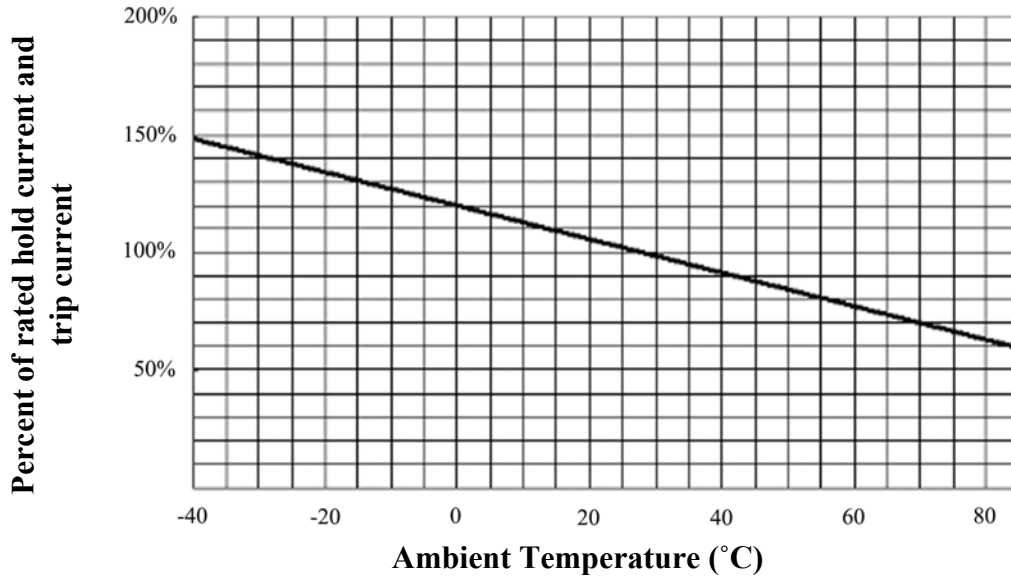
Part Number	A	B	C	D	E	F
	Maximum	Maximum	Typical	Minimum	Maximum	Typical
RS36-050	7.4	12.2	5.1	7.6	3.0	1.1
RS36-075	7.4	12.2	5.1	7.6	3.0	1.1
RS36-090	7.4	12.2	5.1	7.6	3.0	1.1
RS36-120	7.4	12.2	5.1	7.6	3.0	1.1
RS36-135	7.4	14.2	5.1	7.6	3.0	1.1
RS36-160	7.4	14.0	5.1	7.6	3.0	1.1
RS36-190	9.0	13.5	5.1	7.6	3.0	1.1
RS36-220	10.0	17.0	5.1	7.6	3.0	1.1
RS36-250	10.0	19.5	5.1	7.6	3.0	1.1

**Type RS36
Resettable Fuse (PTC's)
Radial Leaded**

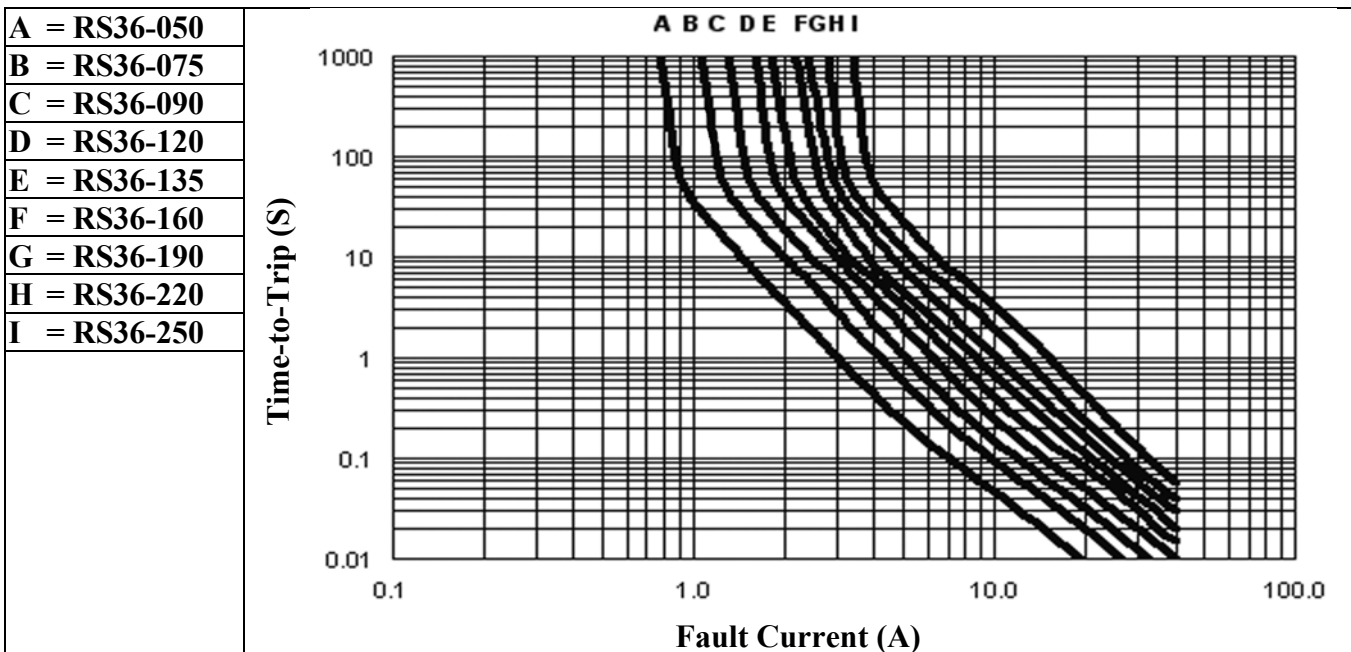


www.optifuse.com (800) 621-0326

Thermal Derating Curve – Type RS36



Typical Time-To-Trip at 23°C




**Type RS36
Resettable Fuse (PTC's)
Radial Leaded**



www.optifuse.com (800) 621-0326

Standard Package

Part Number	Pcs/Bag	Reel/Tape
RS36-050	500	3K
RS36-075	500	3K
RS36-090	500	3K
RS36-120	500	3K
RS36-135	500	3K
RS36-160	500	3K
RS36-190	500	3K
RS36-220	500	3K
RS36-250	500	3K

	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.