



RG Series

Radial Leaded PTC



Application:	Wide variety of electronic equipment
Product Features:	Very high hold current, Solid state Radial-leaded product ideal for up to 16Vdc
Operation Current:	3 A~14A
Maximum Voltage:	16V
Temperature Range:	-40°C to 85°C
Agency Recognition:	UL, C-UL, TÜV

Electrical Characteristics (23°C)

Part Number	Hold Current	Trip Current	Max. Time to Trip	Maximum Current	Rated Voltage	Typical Power	Resistance Tolerance	
	IH, A	IT, A	at 5xIH	IMAX, A	VMAX, Vdc	Pd, W	RMIN	R1MAX
	ohms	ohms						
RG300-16	3	5.1	2.0	100	16	2.3	0.034	0.105
RG400-16	4	6.8	3.5	100	16	2.4	0.020	0.063
RG500-16	5	8.5	3.6	100	16	2.6	0.014	0.044
RG600-16	6	10.2	5.8	100	16	2.8	0.009	0.033
RG700-16	7	11.9	8.0	100	16	3.0	0.006	0.021
RG800-16	8	13.6	9.0	100	16	3.0	0.005	0.018
RG900-16	9	15.3	12.0	100	16	3.3	0.004	0.015
RG1000-16	10	17.0	12.5	100	16	3.3	0.003	0.012
RG1100-16	11	18.7	13.5	100	16	3.7	0.003	0.010
RG1200-16	12	20.4	16.0	100	16	4.2	0.002	0.009
RG1400-16	14	23.8	20.0	100	16	4.6	0.002	0.008

IH=Hold current-maximum current at which the device will not trip at 23°C still air.

IT=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 its rated current.

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

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

RMIN=Minimum device resistance at 23°C.

R1MAX=Maximum device resistance at 23°C, 1 hour after tripping .

Physical specifications:

Lead material: Tin plated copper, 24 AW

Soldering characteristics: RG300~RG1100 Tin plated copper, 20 AWG.

RG1200~RG1400 Tin plated copper, 18 AWG.

Soldering characteristics: MIL-STD-202, Method 208E.

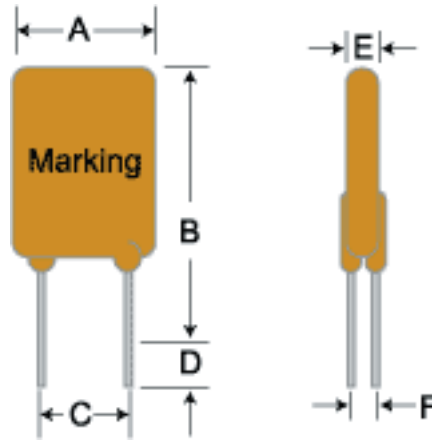
Insulating coating:Flame retardant epoxy, meet UL-94V-0 requirement.



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RG Product Dimensions (Millimeters)

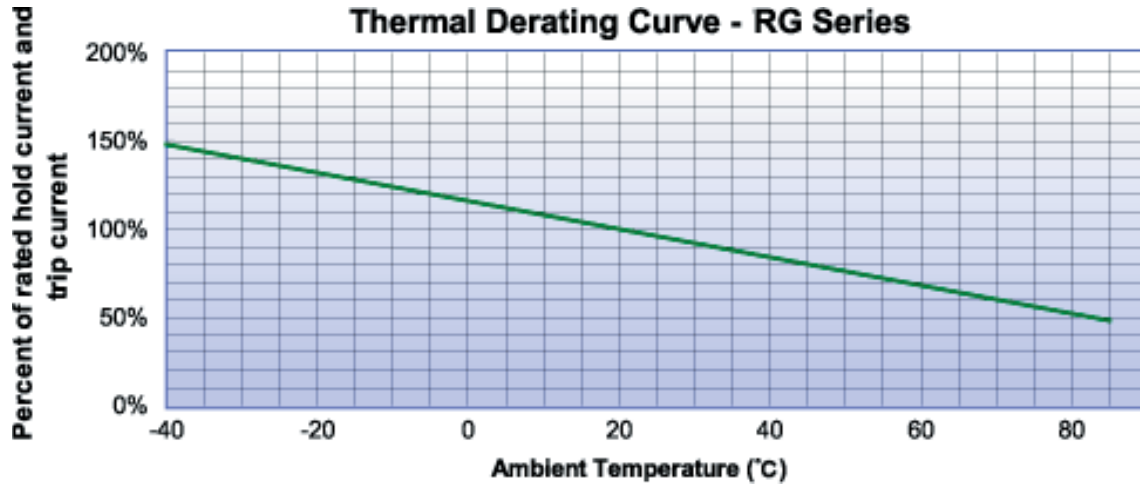


Lead Size
 RG300-16~RG1100-16
 Ø 0.81 mm Diameter
 20AWG

Lead Size
 RG1200-16~RG1400-16
 Ø 1.0 mm Diameter
 18AWG

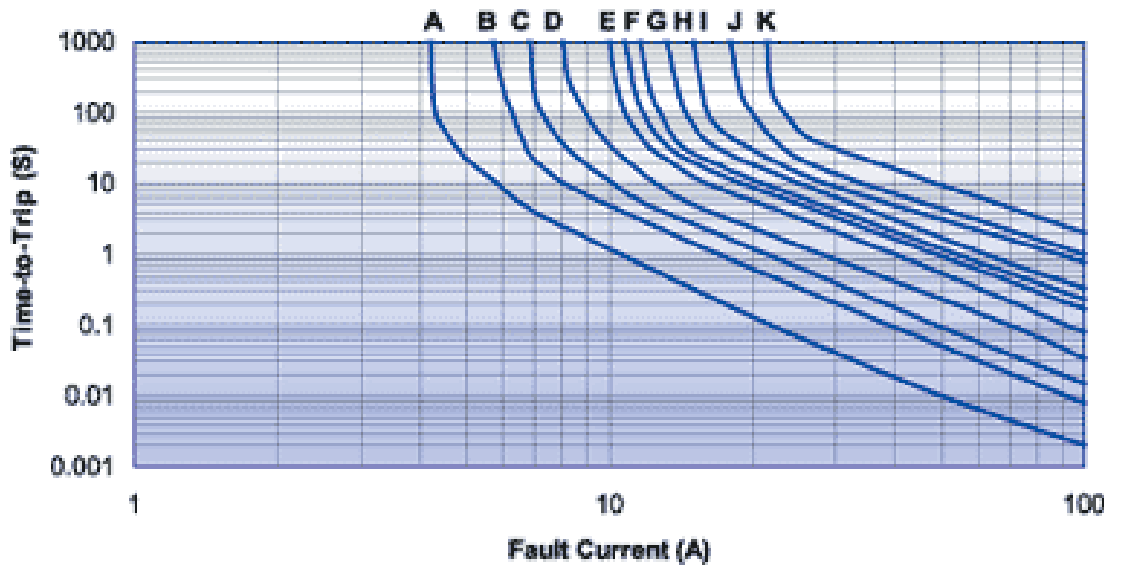
Part Number	A	B	C	D	E	F
	Maximum	Maximum	Typical	Minimum	Maximum	Typical
RG300-16	7.1	11.0	5.1	7.6	3	1.2
RG400-16	8.9	12.8	5.1	7.6	3	1.2
RG500-16	10.4	14.3	5.1	7.6	3	1.2
RG600-16	10.7	17.1	5.1	7.6	3	1.2
RG700-16	11.2	19.7	5.1	7.6	3	1.2
RG800-16	12.7	20.9	5.1	7.6	3	1.2
RG900-16	14.0	21.7	5.1	7.6	3	1.2
RG1000-16	16.5	24.1	5.1	7.6	3	1.2
RG1100-16	17.5	26.0	5.1	7.6	3	1.2
RG1200-16	17.5	28.0	10.2	7.6	3.6	1.4
RG1400-16	27.9	27.9	10.2	7.6	3.4	1.4

Thermal Derating Curve

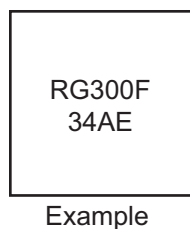
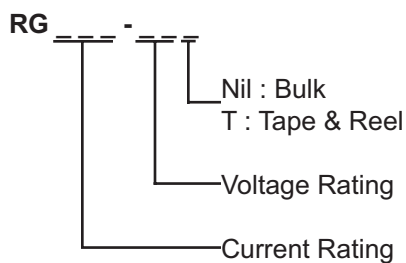


Typical Time-To-Trip at 23°C

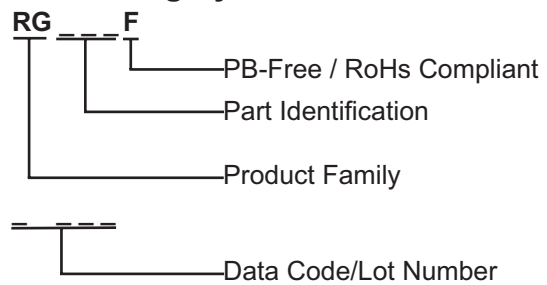
- A= RG300-16
- B= RG400-16
- C= RG500-16
- D= RG600-16
- E= RG700-16
- F= RG800-16
- G= RG900-16
- H= RG1000-16
- I = RG1100-16
- J= RG1200-16
- K= RG1400-16



Part Numbering System



Part Marking System



Specifications are subject to change without notice.



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Standard Package

P/N	Pcs /Bag	Reel/Tape
RG300-16	500	2.5K
RG400-16	300	2.5K
RG500-16	300	2.5K
RG600-16	300	2.5K
RG700-16	200	1.2K
RG800-16	200	-----
RG900-16	200	-----
RG1000-16	100	-----
RG1100-16	100	-----
RG1200-16	100	-----
RG1400-16	100	-----

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