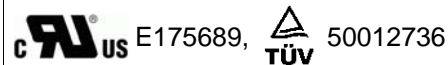


## RADIAL LEADED PTC RG MODEL



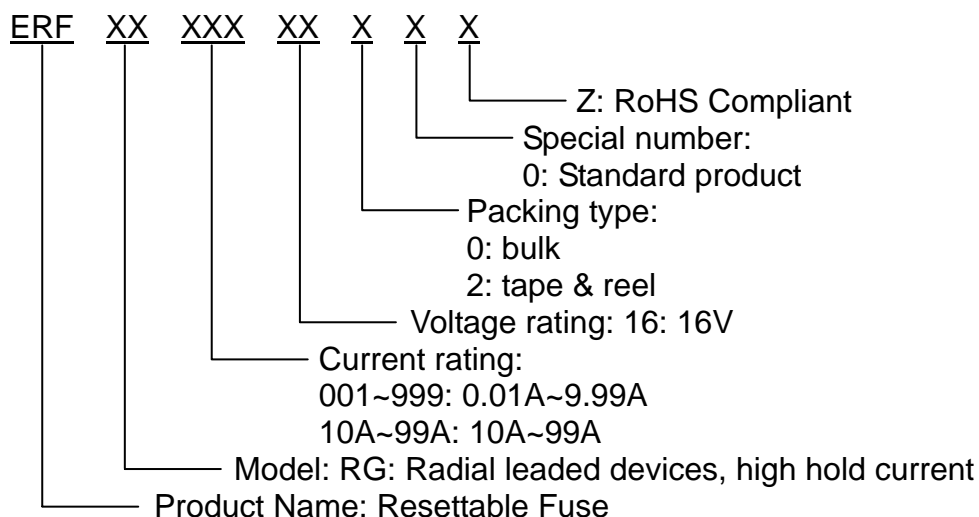
### ■ FEATURES

- Very high hold current, Solid state
- Radial-leaded product ideal for up to 16Vdc
- Operation current: 3A~14 A
- Maximum voltage: 16V
- Temperature range -40°C to 85°C
- Cured, flame retardant epoxy polymer insulating material meets UL 94V-0 requirement
- Bulk packing, tape and reel available on most models

### ■ APPLICATIONS

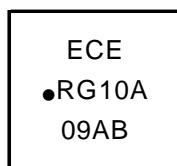
- Audio Equipment
- Automotives Electronic
- Fire Alarm/ Security System
- Halogen Light
- Medical/ Test Equipment
- Wire Harness

### ■ PART NUMBERING SYSTEM

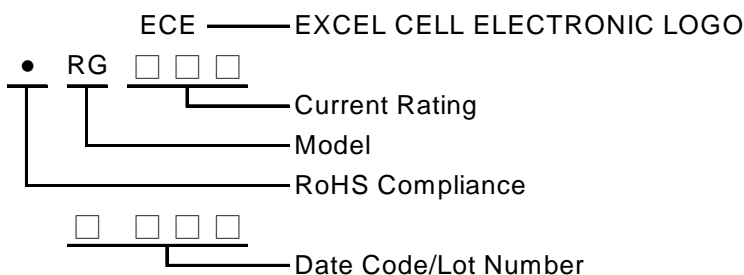


**NOTE: Specifications subject to change without prior notice.**

## ■ Marking system



Example



## ■ Electrical characteristics(23°C)

Part Number	Hold Current	Trip Current	Max. Time to trip	Maximum Current	Rated Voltage	Typical Power	Resistance Tolerance	
	I <sub>H</sub> , A	I <sub>T</sub> , A	at 5xI <sub>H</sub>	I <sub>MAX</sub> , A	V <sub>MAX</sub> , V <sub>dc</sub>	P <sub>d</sub> , W	R <sub>MIN</sub>	R <sub>1MAX</sub>
							Ω	Ω
<b>RG300-16</b>	3.0	5.1	2.0	100	16	2.3	0.034	0.105
<b>RG400-16</b>	4.0	6.8	3.5	100	16	2.4	0.020	0.063
<b>RG500-16</b>	5.0	8.5	3.6	100	16	2.6	0.010	0.044
<b>RG600-16</b>	6.0	10.2	5.8	100	16	2.8	0.009	0.033
<b>RG700-16</b>	7.0	11.9	8.0	100	16	3.0	0.006	0.021
<b>RG800-16</b>	8.0	13.6	9.0	100	16	3.0	0.005	0.018
<b>RG900-16</b>	9.0	15.3	12.0	100	16	3.3	0.004	0.015
<b>RG10A-16</b>	10.0	17.0	12.5	100	16	3.3	0.003	0.012
<b>RG11A-16</b>	11.0	18.7	13.5	100	16	3.7	0.003	0.010
<b>RG12A-16</b>	12.0	20.4	16.0	100	16	4.2	0.002	0.009
<b>RG14A-16</b>	14.0	23.8	20.0	100	16	4.6	0.002	0.008

I<sub>H</sub>=Hold current-maximum current at which the device will not trip at 23°C still air.

I<sub>T</sub>=Trip current-minimum current at which the device will always trip at 23°C still air.

V<sub>MAX</sub>=Maximum voltage device can withstand without damage at its rated current.

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

P<sub>d</sub>=Typical power dissipated from device when in the tripped state in 23°C still air environment.

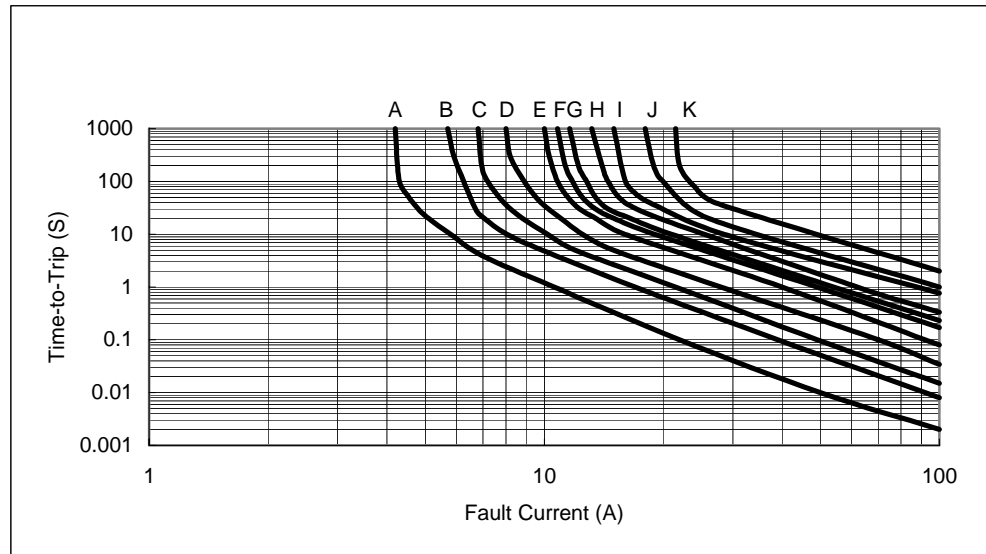
R<sub>MIN</sub>=Minimum device resistance at 23°C.

R<sub>1MAX</sub>=Maximum device resistance at 23°C 1 hour after tripping .

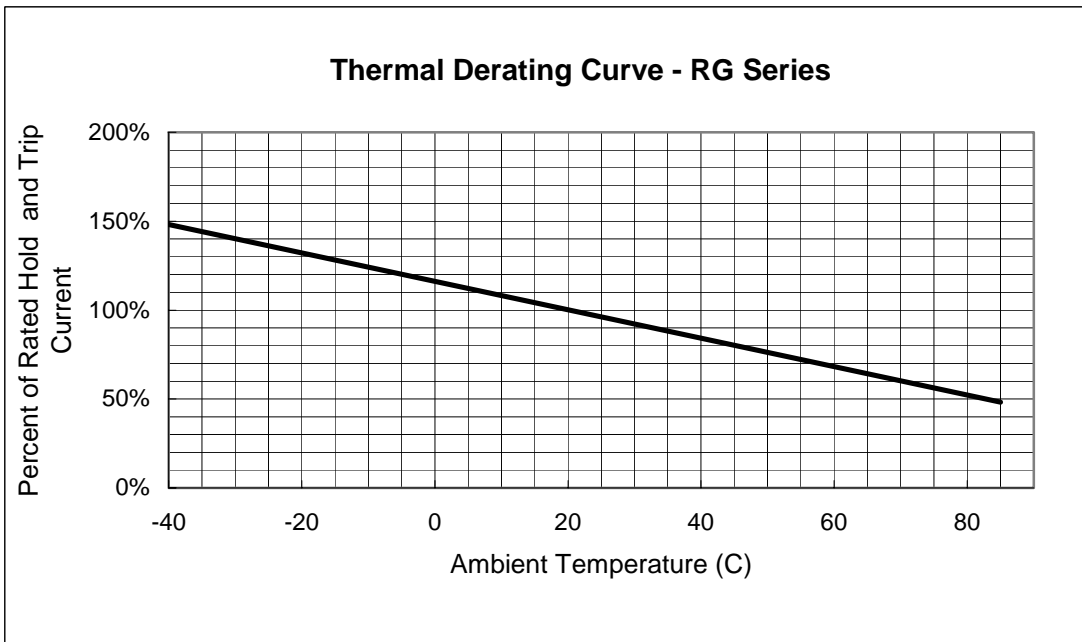
**NOTE: Specifications subject to change without prior notice.**

■ **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=RG10A-16
- I=RG11A-16
- J=RG12A-16
- K=RG14A-16



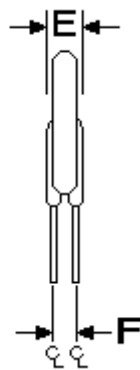
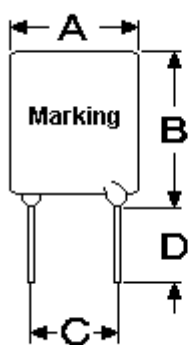
■ **Thermal Derating Curve**



**NOTE: Specifications subject to change without prior notice.**

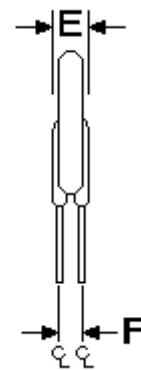
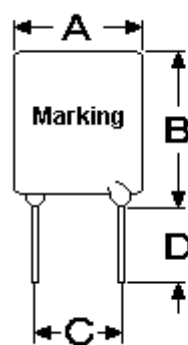
■ **RG Product Dimensions (UNIT: mm)**

Part Number	A	B	C	D	E	F
	Maximum	Maximum	Typical	Minimum	Maximum	Typical
RG300-16	7.1	11.0	5.1	7.6	3.0	1.2
RG400-16	8.9	12.8	5.1	7.6	3.0	1.2
RG500-16	10.4	14.3	5.1	7.6	3.0	1.2
RG600-16	10.7	17.1	5.1	7.6	3.0	1.2
RG700-16	11.2	19.7	5.1	7.6	3.0	1.2
RG800-16	12.7	20.9	5.1	7.6	3.0	1.2
RG900-16	14.0	21.7	5.1	7.6	3.0	1.2
RG10A-16	16.5	24.1	5.1	7.6	3.0	1.2
RG11A-16	17.5	26.0	5.1	7.6	3.0	1.2
RG12A-16	17.5	28.0	10.2	7.6	3.6	1.4
RG14A-16	27.9	27.9	10.2	7.6	3.4	1.4



RG 300-16 ~ RG 11A-16

- Lead Size: 20AWG
- $\varnothing$  0.81mm Diameter



RG 12A-16 ~ RG 14A-16

- Lead Size: 18AWG
- $\varnothing$  1.0mm Diameter

**NOTE:** Specifications subject to change without prior notice.

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