



Application:	Line voltage power supply, transformer and appliances.
Product Features:	Low hold current, solid state, radial leaded product ideal for up to 265V _{AC/DC} .
Operation Current:	50mA ~ 550mA
Maximum Operating Voltage:	240V _{AC/DC}
Maximum Interrupt Voltage:	265V _{AC/DC}
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	
							RMIN	R1MAX
	IH, A	IT, A	at 5xIH	IMAX, A	VMAX, Vdc	Pd, W	ohms	ohms
RV005-240	0.05	0.12	15.0	1.0	240	0.70	18.50	65.00
RV008-240	0.08	0.19	15.0	1.2	240	0.80	7.40	26.00
RV012-240	0.12	0.30	15.0	1.2	240	1.00	3.00	12.00
RV016-240	0.16	0.37	15.0	2.0	240	1.40	2.50	7.80
RV025-240	0.25	0.56	18.5	3.5	240	1.50	1.30	3.80
RV033-240	0.33	0.74	18.5	4.5	240	1.70	0.83	2.60
RV040-240	0.40	0.90	24.0	5.5	240	2.00	0.60	1.90
RV055-240	0.55	1.25	26.0	7.0	240	3.40	0.45	1.45

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: RV005-240 ~ RV016-240, Tin plated copper, 24AWG.

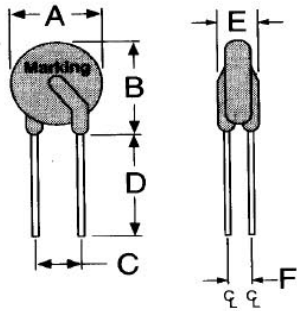
RV025-240 ~ RV040-240, Tin plated copper, 22AWG.

RV055-240, Tin plated copper, 20AWG.

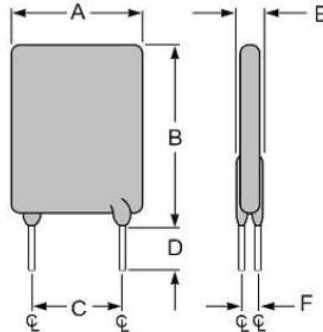
Soldering characteristics: MIL-STD-202, Method 208E.

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

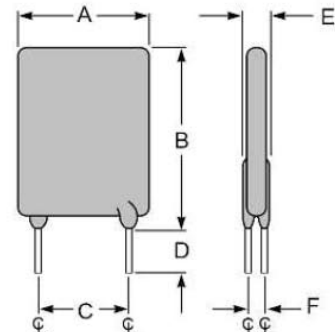
RV Product Dimensions (Millimeters)



RV005-240 ~ RX016-240
Lead Size :24AWG,
Ø 0.51 mm Diameter



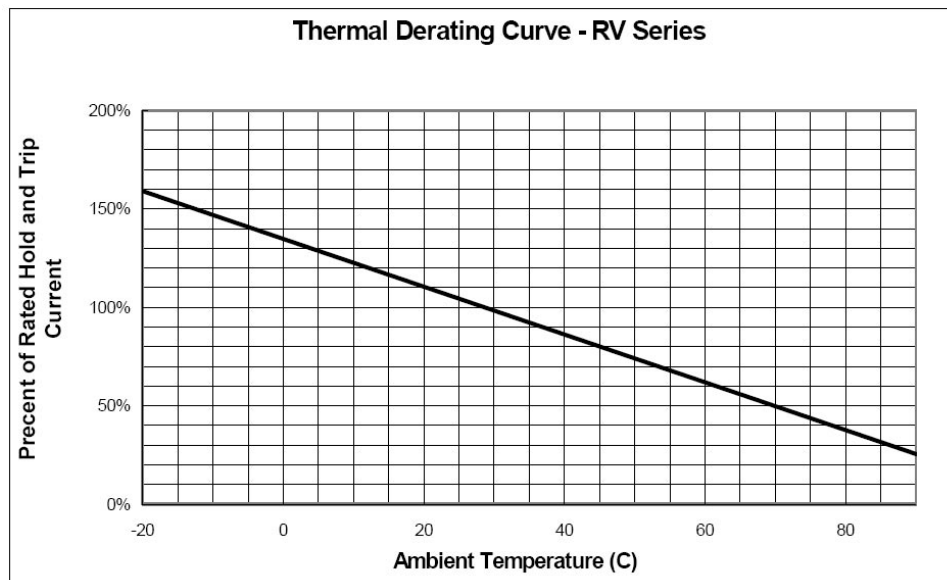
RV025-240 ~ RX040-240
Lead Size :22AWG,
Ø 0.51 mm Diameter



RV055-240
Lead Size :20AWG,
Ø 0.51 mm Diameter

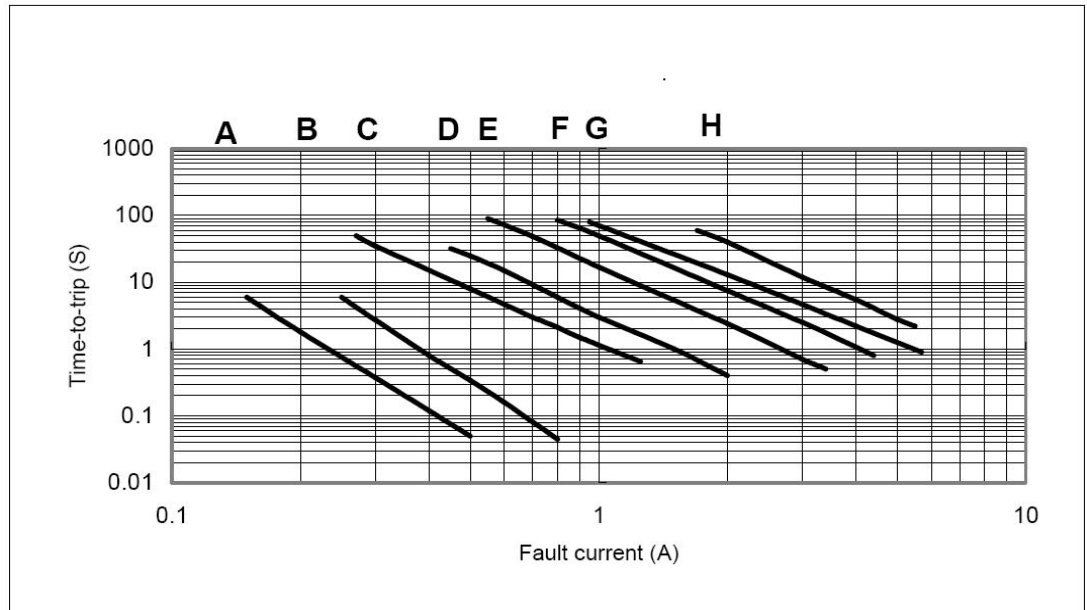
Part Number	A	B	C	D	E
	Maximum	Maximum	Typical	Minimum	Maximum
RV005-240	8.3	10.7	5.1	7.6	3.8
RV008-240	8.3	10.7	5.1	7.6	3.8
RV012-240	8.3	10.7	5.1	7.6	3.8
RV016-240	9.9	12.5	5.1	7.6	3.8
RV025-240	9.6	17.4	5.1	7.6	3.8
RV033-240	11.4	16.5	5.1	7.6	3.8
RV040-240	11.5	19.5	5.1	7.6	3.8
RV055-240	14.0	21.7	5.1	7.6	4.1

Thermal Derating Curve



Typical Time-To-Trip at 23°C

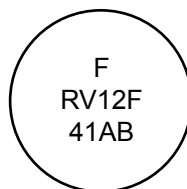
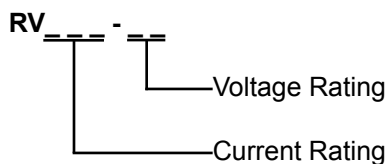
- A = RV005-240
- B = RV008-240
- C = RV012-240
- D = RV016-240
- E = RV025-240
- F = RV033-240
- G = RV040-240
- H = RV055-240



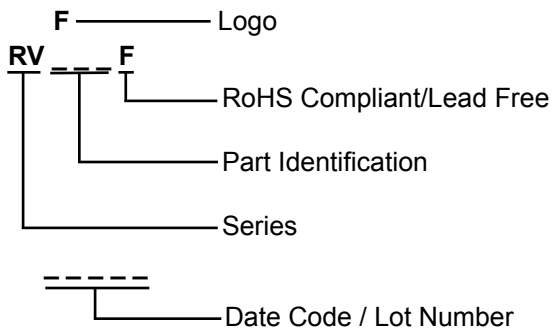
Material Specification

- Lead material: RV005-240 ~ RV016-240 Tin plated copper, 24 AWG.
- RV025-240 ~ RV040-240 Tin plated copper, 22AWG.
- RV055-240 Tin plated copper, 20AWG.
- Soldering characteristics: MIL-STD-202, Method 208E.
- Insulation coating: Flame retardant epoxy, meets UL-94V-0 requirement.

Part Numbering System



Part Marking System



- 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.