

Application:	Telecommunication and Data transmitting
Product Features:	Low hold current, Solid state
Operation Current:	0.08 A~0.18A
Maximum Operation Voltage:	60VDC
Maximum Interrupt Voltage:	250V/600V
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		Max. Current	Max. Operating Voltage	Max. Interrupt Voltage	Typical Power	Resistance Tolerance	
			A	SEC					RMIN	R1MAX
	IH, A	IT, A	A	SEC	IMAX, A	VMAX, VDC	VIMAX, V	Pd, W	ohms	ohms
RH080-250U	0.08	0.16	0.35	4.0	3.0	60	250	1.0	14.0	33.0
RH080-250	0.08	0.16	0.35	4.0	3.0	60	250	1.0	14.0	33.0
RH110-250U	0.11	0.22	1.00	2.0	3.0	60	250	1.0	5.0	16.0
RH110-250	0.11	0.22	1.00	2.0	3.0	60	250	1.0	5.0	16.0
RH120-250U	0.12	0.24	1.00	2.0	3.0	60	250	1.0	6.0	16.0
RH120-250	0.12	0.24	1.00	2.0	3.0	60	250	1.0	4.0	16.0
RH145-250U	0.15	0.29	1.00	2.5	3.0	60	250	1.0	3.5	12.0
RH145-250	0.15	0.29	1.00	2.5	3.0	60	250	1.0	3.0	12.0
RH180-250U	0.18	0.65	1.50	10.0	10.0	60	250	1.5	0.8	4.0
RH180-250	0.18	0.65	1.50	11.0	10.0	60	250	1.5	0.8	4.0
RH150-600	0.15	0.30	1.00	5.0	3.0	60	600	1.6	6.0	22.0
RH160-600	0.16	0.32	1.00	7.0	3.0	60	600	1.6	4.0	18.0

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.
 V-IMAX=Maximum interrupt voltage device can withstand for short period of time.(not long term.)
 IMAX= 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: RH080-250 ~ RH180-250 Tin plated copper, 22 AWG.

RH150-600 ~ RH160-600 Tin plated copper, 22 AWG.

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

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

NOTE : All RH products are designed to assist equipment to pass ITU, UL1950 or GR1089 specification.

CAUTION : RH devices are not intended for continuous use of Line Voltage such as 120 VAC ~ 240VAC and above.

RH Product Dimensions (Millimeters)

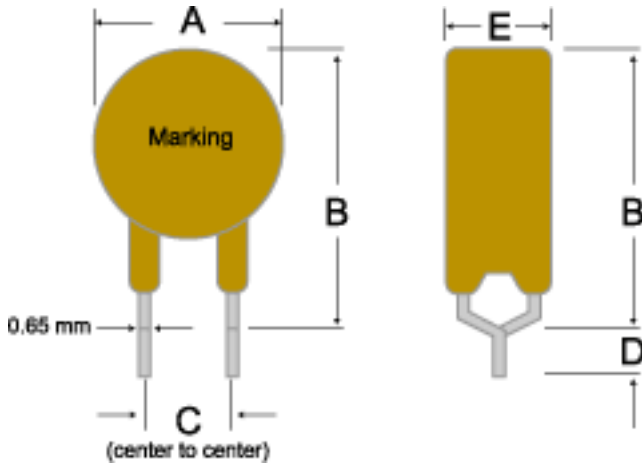


Figure 1
Lead Size: 22AWG,
Ø 0.65 mm Diameter

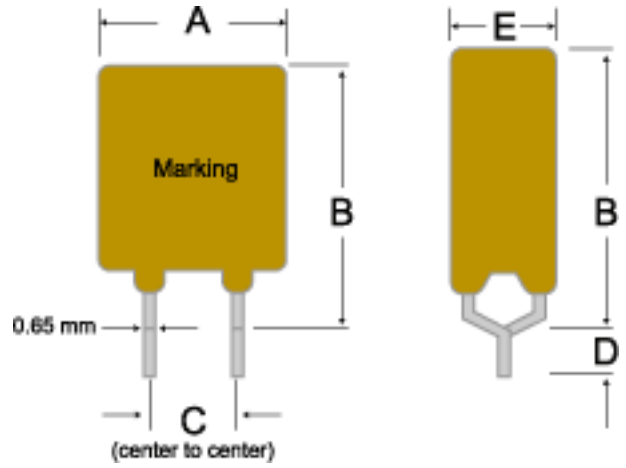
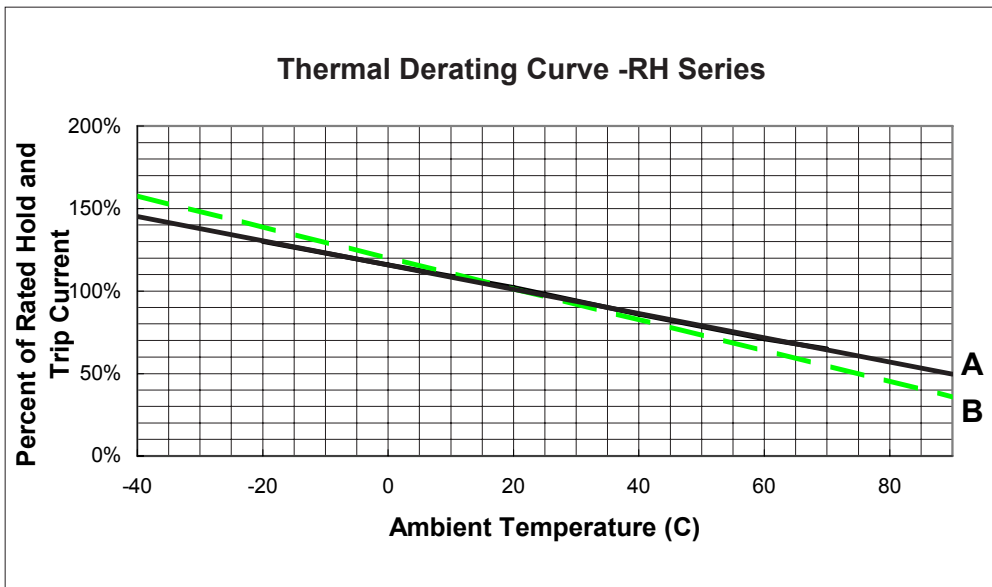


Figure 2
Lead Size: 22AWG,
Ø 0.65 mm Diameter

Part Number	Fig	A	B	C	D	E
		Maximum	Maximum	Typical	Maximum	Maximum
RH080-250U	1	5.1	9.1	5.0	4.7	3.8
RH080-250	1	5.8	9.6	5.0	4.7	4.6
RH110-250U	1	5.9	9.4	5.0	4.7	3.8
RH110-250	1	6.8	9.9	5.0	4.7	4.6
RH120-250U	2	6.0	10.0	5.0	4.7	3.8
RH120-250	2	6.5	11.0	5.0	4.7	4.6
RH145-250U	2	6.0	10.0	5.0	4.7	3.8
RH145-250	2	6.5	11.0	5.0	4.7	4.6
RH180-250U	2	10.4	12.6	5.0	4.7	3.8
RH180-250	2	10.9	12.6	5.0	4.7	4.6
RH150-600	2	13.5	12.6	5.0	4.7	6.0
RH160-600	2	16.0	12.6	5.0	4.7	6.0

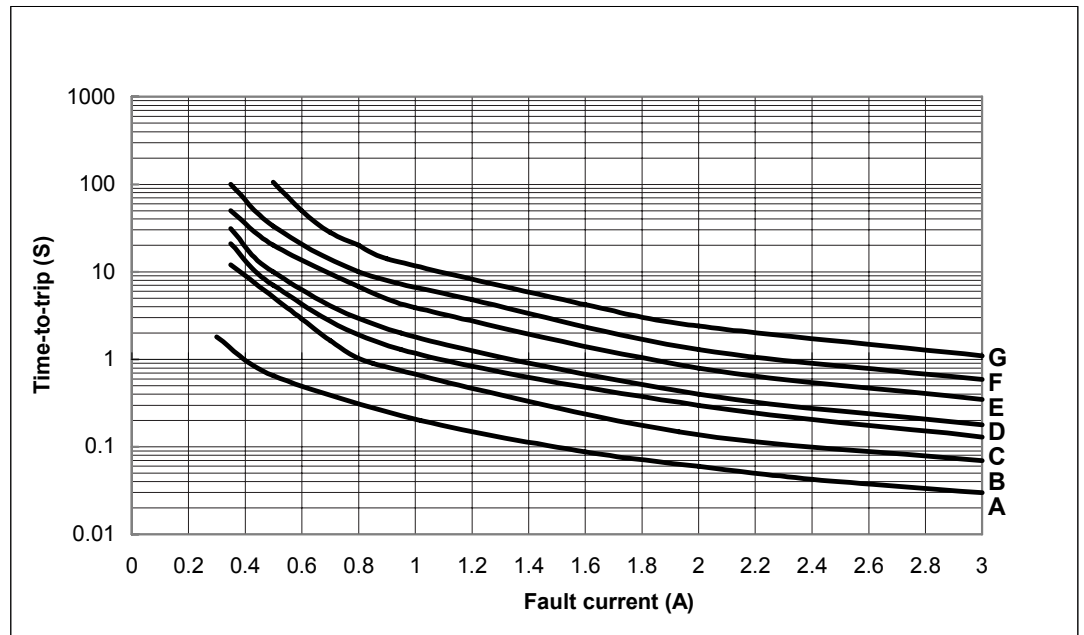
Thermal Derating Curve



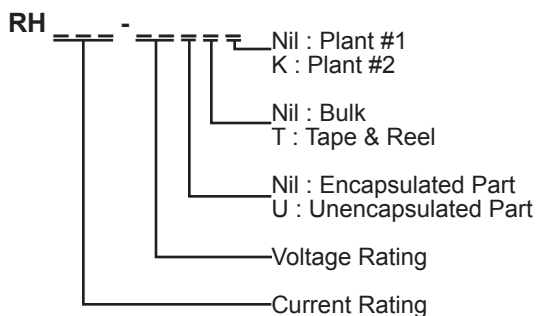
A= RH180-250(U), RH180-250
B= All other RH devices

Typical Time-To-Trip at 23°C

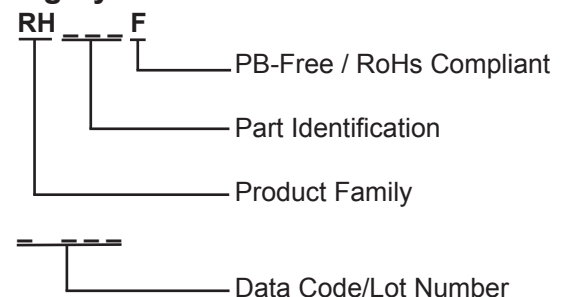
- A= RH080-250(U)
- B= RH110-250(U)
- C= RH120-250(U)
- D= RH145-250(U)
- E= RH180-250(U)
- F= RH150-600
- G= RH160-600



Part Numbering System



Part Marking System



Specifications are subject to change without notice.



RH Series

Radial Leaded PTC

Standard Package

P/N	Pcs /Bag	Reel/Tape
RH080-250U	300	1.5K
RH080-250	300	1.5K
RH110-250U	300	1.5K
RH110-250	300	1.5K
RH120-250U	300	1.5K
RH120-250	300	1.5K
RH145-250U	300	1.5K
RH145-250	300	1.5K
RH180-250U	200	1.2K
RH180-250	200	1.2K
RH150-600	100	600
RH160-600	100	600

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.