



Application:	Wide variety of electronic equipment
Product Features:	Low hold current, Solid state, Radial-leaded product ideal for up to 60V
Operation Current:	50mA ~ 3.75A
Maximum Voltage:	60V
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						
RX005-60	0.05	0.10	5.00	40	60	0.26	7.30	20.0
RX010-60	0.10	0.20	4.00	40	60	0.38	2.50	7.50
RX010S-60	0.10	0.20	4.00	40	60	0.38	2.50	7.50
RX017-60	0.17	0.34	3.00	40	60	0.48	2.00	7.00
RX020-60	0.20	0.40	2.20	40	60	0.41	1.83	4.40
RX025-60	0.25	0.50	2.50	40	60	0.45	1.25	3.00
RX030-60	0.30	0.60	3.00	40	60	0.49	0.88	2.10
RX040-60	0.40	0.80	3.80	40	60	0.56	0.55	1.29
RX050-60	0.50	1.00	4.00	40	60	0.77	0.50	1.17
RX065-60	0.65	1.30	5.30	40	60	0.88	0.31	0.72
RX075-60	0.75	1.50	6.30	40	60	0.92	0.25	0.60
RX090-60	0.90	1.80	7.20	40	60	0.99	0.20	0.47
RX110-60	1.10	2.20	8.20	40	60	1.50	0.15	0.38
RX135-60	1.35	2.70	9.60	40	60	1.70	0.12	0.30
RX160-60	1.60	3.20	11.4	40	60	1.90	0.09	0.22
RX185-60	1.85	3.70	12.6	40	60	2.10	0.08	0.19
RX250-60	2.50	5.00	15.6	40	60	2.50	0.05	0.13
RX300-60	3.00	6.00	19.8	40	60	2.80	0.04	0.10
RX375-60	3.75	7.50	24.0	40	60	3.20	0.03	0.08

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: RX005~RX090 Tin plated copper, 24 AWG.

RX110~RX375 Tin plated copper, 20 AWG.

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

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

Specifications are subject to change without notice.

RX Product Dimensions (Millimeters)

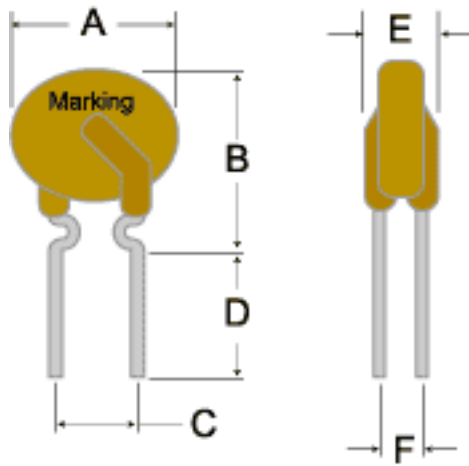


Figure 1
RX005-60 ~ RX090-60
Lead Size :24AWG,
Ø 0.51 mm Diameter

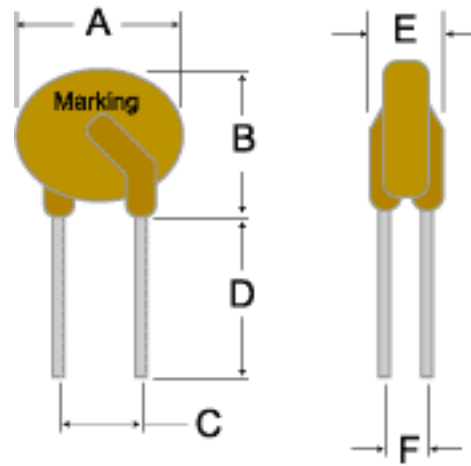
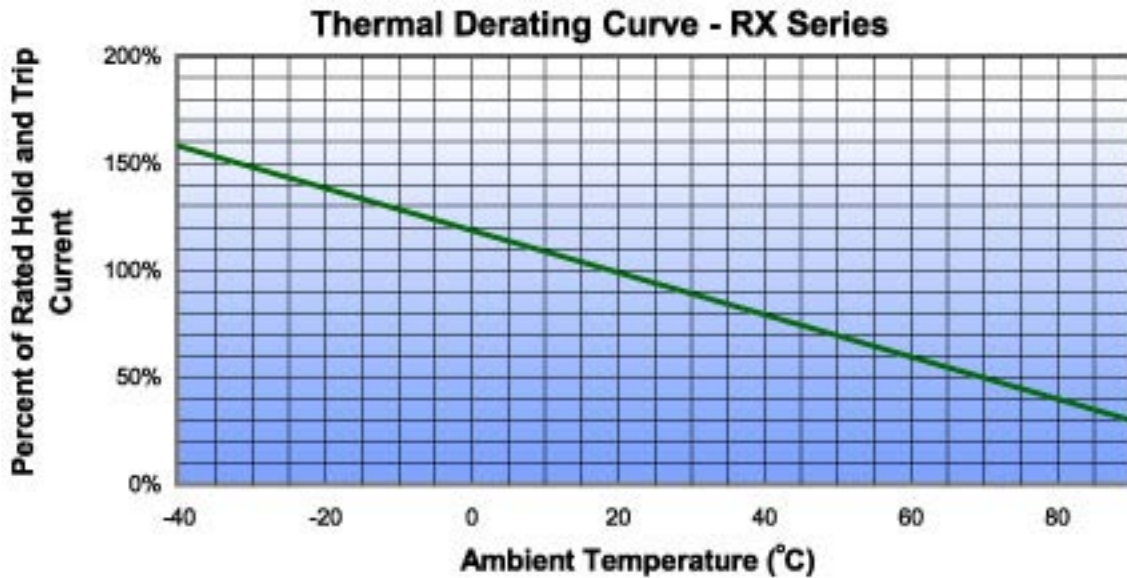


Figure 2
RX110-60 ~ RX375-60
Lead Size : 20AWG,
Ø 0.81 mm Diameter

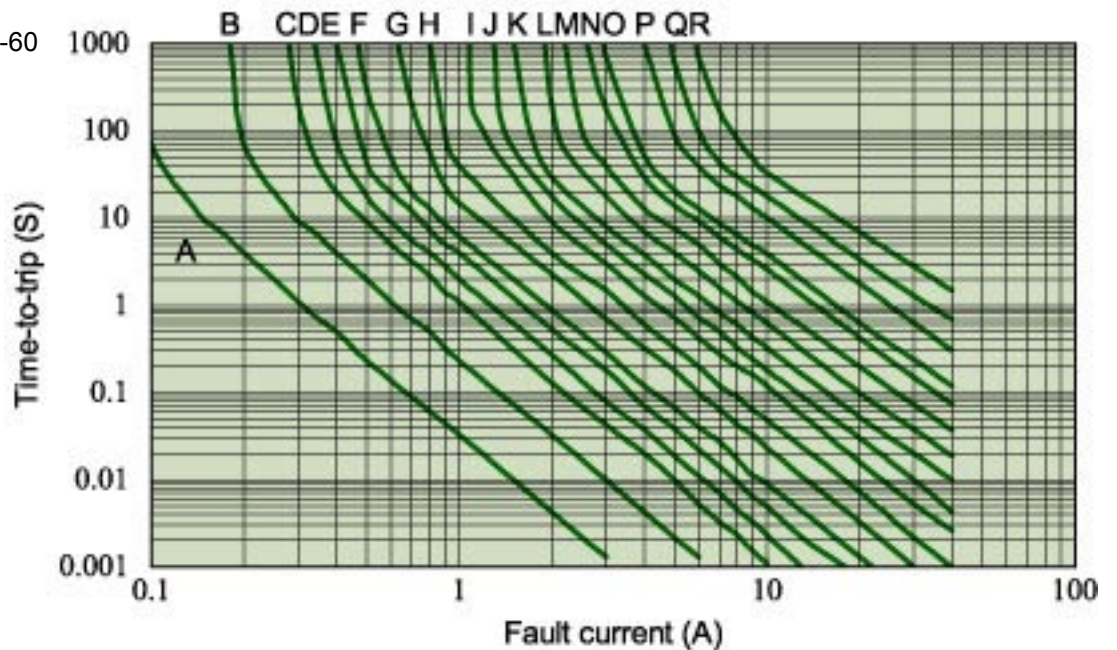
Part Number	Figure	A	B	C	D	E	F
		Maximum	Maximum	Typical	Minimum	Maximum	Typical
RX005-60	1	7.4	12.7	5.1	7.6	3.1	1.1
RX010-60	1	7.4	12.7	5.1	7.6	3.1	1.1
RX010S-60	1	7.4	10.0	5.1	7.6	3.1	1.1
RX017-60	1	7.4	12.7	5.1	7.6	3.1	1.1
RX020-60	1	7.4	12.7	5.1	7.6	3.1	1.1
RX025-60	1	7.4	12.7	5.1	7.6	3.1	1.1
RX030-60	1	7.4	13.0	5.1	7.6	3.1	1.1
RX040-60	1	7.6	13.5	5.1	7.6	3.1	1.1
RX050-60	1	7.9	13.7	5.1	7.6	3.1	1.1
RX065-60	1	9.7	14.5	5.1	7.6	3.1	1.1
RX075-60	1	10.4	15.2	5.1	7.6	3.1	1.1
RX090-60	1	11.7	15.8	5.1	7.6	3.1	1.1
RX110-60	2	13.0	18.0	5.1	7.6	3.1	1.4
RX135-60	2	14.5	19.6	5.1	7.6	3.1	1.4
RX160-60	2	16.3	21.3	5.1	7.6	3.1	1.4
RX185-60	2	17.8	22.9	5.1	7.6	3.1	1.4
RX250-60	2	21.3	26.4	10.2	7.6	3.1	1.4
RX300-60	2	24.9	30.0	10.2	7.6	3.1	1.4
RX375-60	2	28.5	33.5	10.2	7.6	3.1	1.4

Thermal Derating Curve

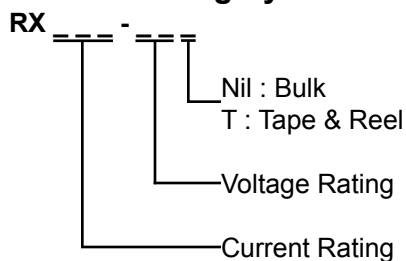


Typical Time-To-Trip at 23°C

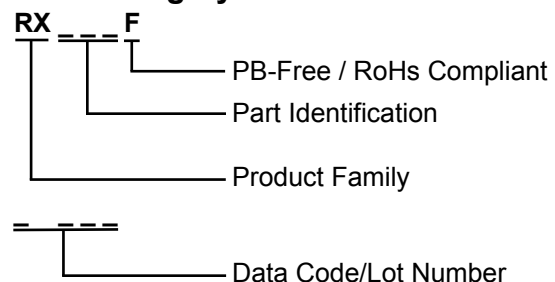
- A = RX005-60
- B = RX010-60/RX010S-60
- C = RX017-60
- D = RX020-60
- E = RX025-60
- F = RX030-60
- G = RX040-60
- H = RX050-60
- I = RX065-60
- J = RX075-60
- K = RX090-60
- L = RX110-60
- M = RX135-60
- N = RX160-60
- O = RX185-60
- P = RX250-60
- Q = RX300-60
- R = RX375-60



Part Numbering System



Part Marking System



Specifications are subject to change without notice.



RX Series

Radial Leaded PTC

Standard Package

P/N	Pcs /Bag	Reel/Tape
RX005-60	500	3K
RX010-60	500	3K
RX010S-60	500	3K
RX017-60	500	3K
RX020-60	500	3K
RX025-60	500	3K
RX030-60	500	3K
RX040-60	500	3K
RX050-60	500	3K
RX065-60	300	3K
RX075-60	300	3K
RX090-60	300	1.5K
RX110-60	300	1.5K
RX135-60	200	1.5K
RX160-60	200	1.5K
RX185-60	200	1.5K
RX250-60	100	800
RX300-60	100	600
RX375-60	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.