



PROTECTRON ELECTROMECH (P) LTD

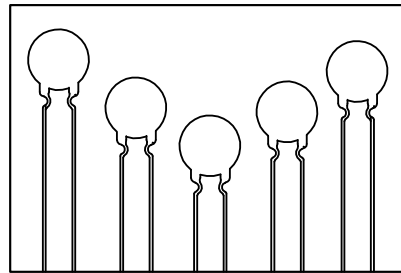
DESCRIPTION : RADIAL LEADED PTC, RoHS

PART NO: RLD250 SERIES
(REFER TABLE)



1. Summary

- (A). Application:
Telecommunication and Data transmitting
- (B). Product Features:
Low hold current, Solid state
Radial-leaded product ideal for up to 60V/600V
- (C). Operating Current: 0.08A~0.18A
- (D). Maximum Voltage: 60V/250V/600V
- (E). Temperature Range: -40°C to 85°C



2. AGENCY RECOGNITION

UL : File No. E211981

C-UL : File No. E211981

3. Electrical Characteristics (23°C)

Part Number	Hold Current IH, A	Max. Current IMAX, A	Max. Oper. Voltage VO-MAX, VDC	Max. Int. Voltage VI-MAX, V	Resistance Tolerance	
					Rmin. ohms	R1max. ohms
RLD250P080X-U	0.08	3.0	60	250	14.0	33.0
RLD250P080X	0.08	3.0	60	250	14.0	33.0
RLD250PI10X-U	0.11	3.0	60	250	5.0	16.0
RLD250PI10X	0.11	3.0	60	250	5.0	16.0
RLD250PI20X-U	0.12	3.0	60	250	6.0	16.0
RLD250PI20X	0.12	3.0	60	250	4.0	16.0
RLD250PI45X-U	0.15	3.0	60	250	3.5	12.0
RLD250PI45X	0.15	3.0	60	250	3.0	12.0
RLD250PI80X-U	0.18	10.0	60	250	0.8	4.0
RLD250PI80X	0.18	10.0	60	250	0.8	4.0
RLD600PI50X	0.15	3.0	60	600	6.0	22.0
RLD600PI60X	0.16	3.0	60	600	4.0	18.0

NOTE : Specification subject to change without notice.

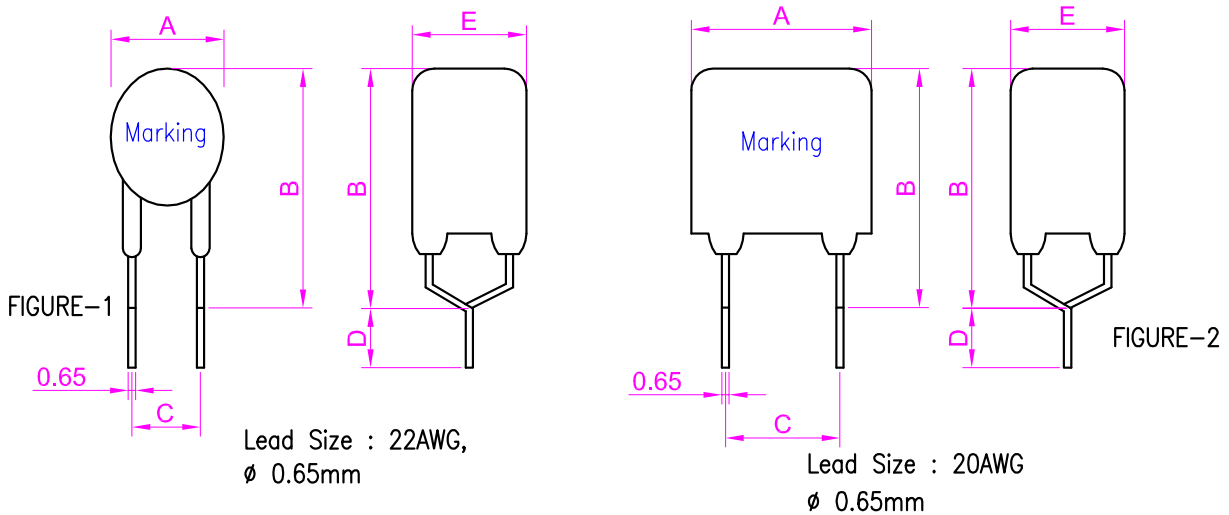


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IH= Hold current—maximum current at which the device will not trip at 23°C still air.
 IT= Trip current—minimum current at which the device will always trip at 23°C still air.
 VO-MAX=Maximum voltage device can withstand without damage at it's rated current.
 VI-MAX= Maximum interrupt voltage device can withstand without for short period of time.
 (Not for long term.)
 IMAX=Maximum fault current device can withstand without damage at rated voltage (V max.).
 RMIN= Minimum device resistance at 23°C.
 RIMAX=Maximum device resistance at 23°C, 1 hour after tripping.



PART NUMBER	Fig	A	B	C	D	E
		MAXIMUM	MAXIMUM	TYPICAL	MINIMUM	MAXIMUM
RLD250P080X-U	1	4.8	9.1	5.0	4.7	3.8
RLD250P080X	1	5.3	9.6	5.0	4.7	4.6
RLD250PI10X-U	1	5.3	9.4	5.0	4.7	3.8
RLD250PI10X	1	5.8	9.9	5.0	4.7	4.6
RLD250PI20X-U	2	6.0	10.0	5.0	4.7	3.8
RLD250PI20X	2	6.5	11.0	5.0	4.7	4.6
RLD250PI45X-U	2	6.0	10.0	5.0	4.7	3.8
RLD250PI45X	2	6.5	11.0	5.0	4.7	4.6
RLD250PI80X-U	2	10.4	12.6	5.0	4.7	3.8
RLD250PI80X	2	10.0	13.6	5.0	4.7	4.6
RLD600PI50X	2	13.5	12.6	5.0	4.7	6.0
RLD600PI60X	2	16.0	12.6	5.0	4.7	6.0

A	ORIGINAL	SACHIN	17.07.2003		
REV.	DESCRIPTION		DRN. BY	DATE	CK'ED BY APP'D BY



Scale: NTS

Sht. Size: A4

Gen. Tol.: ±0.5mm
±1°

ALL DIMENSIONS ARE IN MM.
IF UNLESS OTHERWISE SPECIFIED.

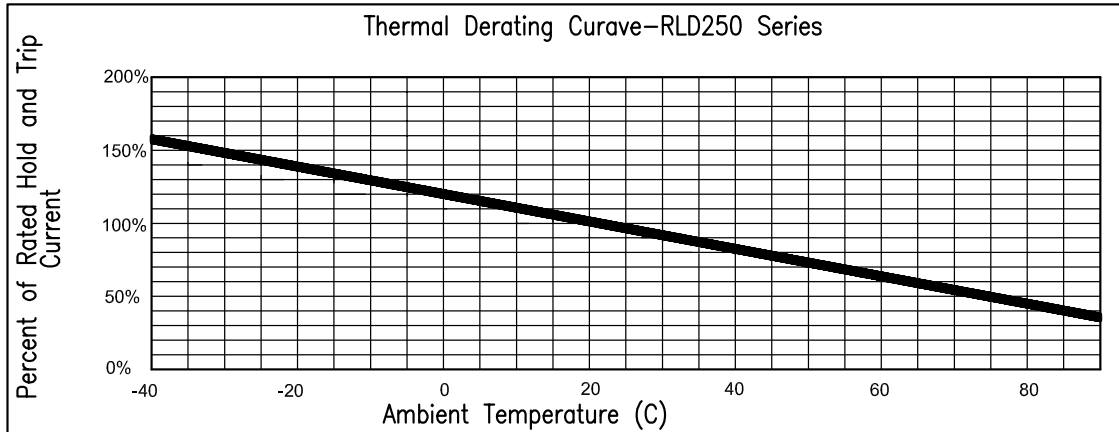


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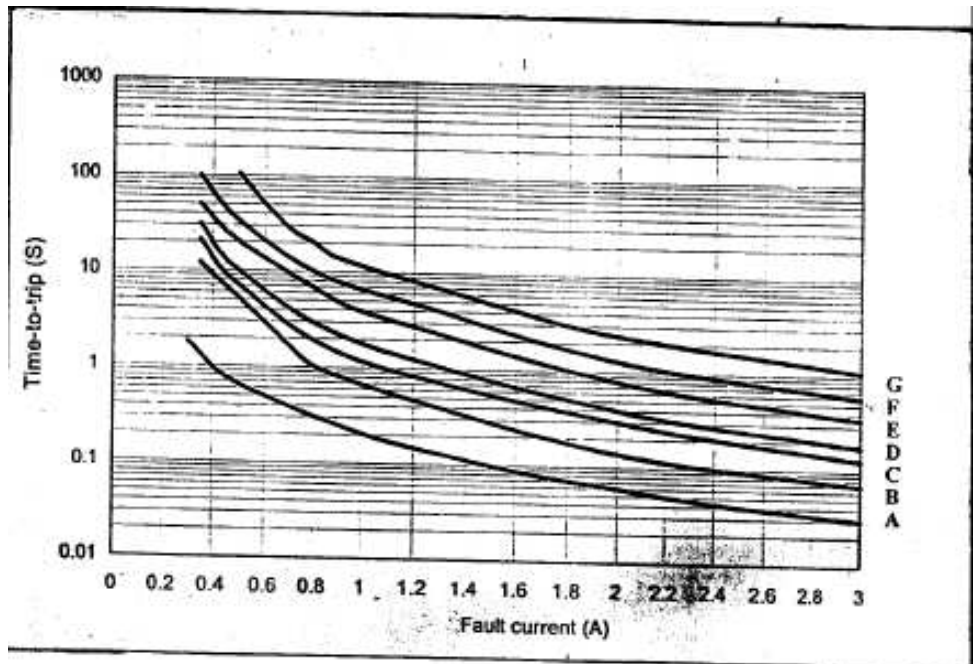
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Thermal Derating Curve :



Typical Time-To-Trip at 23°C

- A=RLD250P080X-(U)
- B=RLD250PI10X-(U)
- C=RLD250PI20X-(U)
- D=RLD250PI45X-(U)
- E=RLD250PI80X-(U)
- F=RLD600PI50X
- G=RLD600PI60X



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7. Material Specification :

Lead Material : RLD250P080X-(U) ~ RLD250P180X-(U) Tin plated copper,24 AWG.

RLD600P150X ~ RLD600P160X Tin plated copper,20 AWG.

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

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

Warning :- Operations beyond the specified maximum ratings or improper use may result in damage and possible electrical arcing and/or flame.



-PPTC device are intended for occasional overcurrent protection. Application for repeated overcurrent condition and/or prolonged trip are not anticipated.

Avoid contact of PPTC device with chemical solvent. Prolonged contact will damage the device performance.

ORDERING INFORMATION

RLD250 SERIES
(REFER TABLE)

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