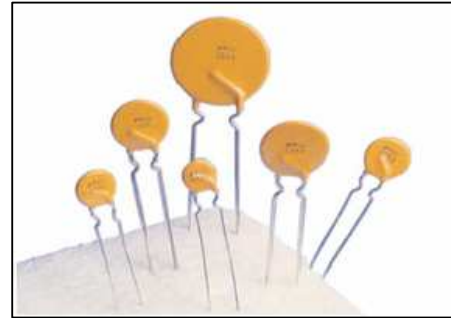




PROTECTRON ELECTROMECH (P) LTD

DESCRIPTION : RADIAL LEADED PTC RESETTABLE FUSE

PART NO: RLD16 SERIES
(REFER TABLE)



1. Summary

- (a) Application: Low voltage USB equipments, Computers and peripherals
- (b) Product Features: Low resistance, Fast trip time, Lower trip-to-hold ratio
- (c) Operation Current: 750mA – 2.50A
- (d) Maximum Voltage: 16V/30V
- (e) Temperature Range: -40°C to 85°C

2. Agency Recognition

- UL : File NO. E211981
- C-UL : File No. E211981
- TUV : File No. R50004084

3. Electrical Characteristics (23°C)

Part Number	Hold Current IH, A	Trip Current IT, A	Max. Time to Trip		Max. Current IMAX, A	Rated Voltage VMAX, Vdc	Typical Power Pd, w	Resistance Tolerance	
			at 8A	at 5xIh				RMIN ohms	RIMAX ohms
RLDI6P075B	0.75	1.30	0.4	--	40	16	0.3	0.08	0.23
RLDI6P090B	0.90	1.80	1.2	5.9	40	16/30	0.6	0.07	0.18
RLDI6PI10B	1.10	2.20	2.3	6.6	40	16/30	0.7	0.05	0.14
RLDI6PI20B	1.20	2.00	0.5	--	40	16	0.6	0.04	0.14
RLDI6PI35B	1.35	2.70	4.5	7.3	40	16/30	0.8	0.04	0.12
RLDI6PI55B	1.55	2.70	0.6	--	40	16	0.7	0.03	0.12
RLDI6PI60B	1.60	3.20	9.0	8.0	40	16/30	0.9	0.03	0.11
RLDI6PI85B	1.85	3.70	10.0	8.7	40	16/30	1.0	0.03	0.09
RLDI6P250B	2.50	5.00	40.0	10.3	40	16/30	1.2	0.02	0.07

NOTE : Specification subject to change without notice.



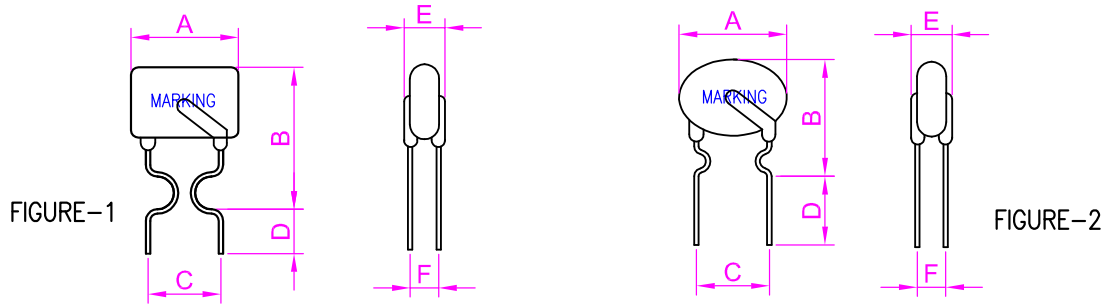
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IH= Hold current—maximum current at which the device will not trip at 23°C still air.
 IT= Trip current—minimum current at which the device will always trip at 23°C still air.
 VMAX= Maximum voltage device can withstand without damage at its rated current.
 IMAX= Maximum fault current device can withstand without damage at rated voltage (V max.).
 Pd= Typical power dissipated from device when in 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.

4 Product Dimensions (millimeter):



Lead Size : 24AWG,
 ø 0.51mm

Lead Size : 24AWG
 ø 0.51mm

PART NUMBER	Fig	A	B	C	D	E	F
		MAXIMUM	MAXIMUM	TYPICAL	MINIMUM	MAXIMUM	TYPICAL
RLDI6P075B	2	6.9	11.4	5.1	7.6	3.0	0.8
RLDI6P090B	1	7.4	12.2	5.1	7.6	3.0	0.8
RLDI6PI10B	1	7.4	14.2	5.1	7.6	3.0	0.8
RLDI6PI20B	2	6.9	11.7	5.1	7.6	3.0	0.8
RLDI6PI35B	1	8.9	13.5	5.1	7.6	3.0	0.8
RLDI6PI55B	2	6.9	11.7	5.1	7.6	3.0	0.8
RLDI6PI60B	1	8.9	15.2	5.1	7.6	3.0	0.8
RLDI6PI85B	1	10.2	15.7	5.1	7.6	3.0	0.8
RLDI6P250B	1	11.4	18.3	5.1	7.6	3.0	0.8

NOTE : Specification subject to change without notice.

A ORIGINAL		SACHIN		16.01.2007			
REV.	DESCRIPTION			DRN. BY	DATE	CK'ED BY	APP'D BY
Projection: 	Scale: NTS	Sht. Size: A4	Gen. Tol.: ±0.5mm ±1'	ALL DIMENSIONS ARE IN MM. IF UNLESS OTHERWISE SPECIFIED.			

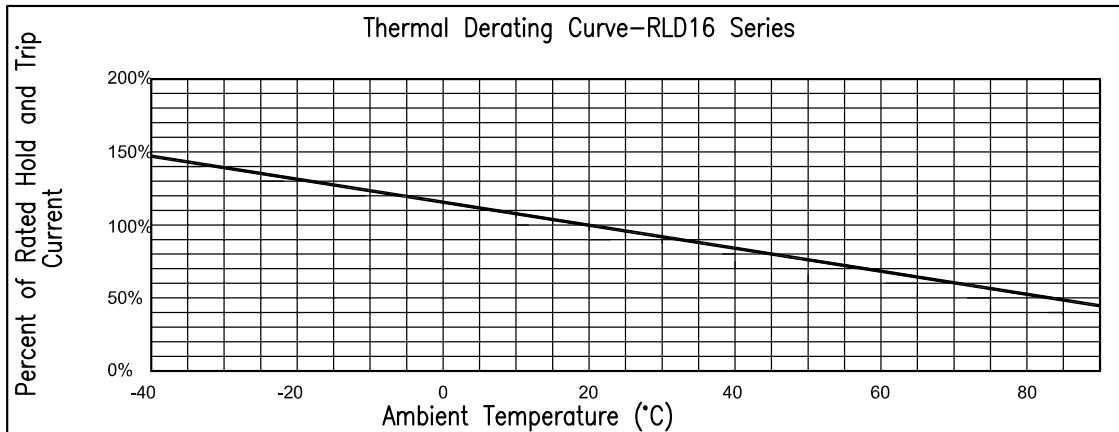


PROTECTRON ELECTROMECH (P) LTD

DESCRIPTION : RADIAL LEADED PTC RESETTABLE FUSE

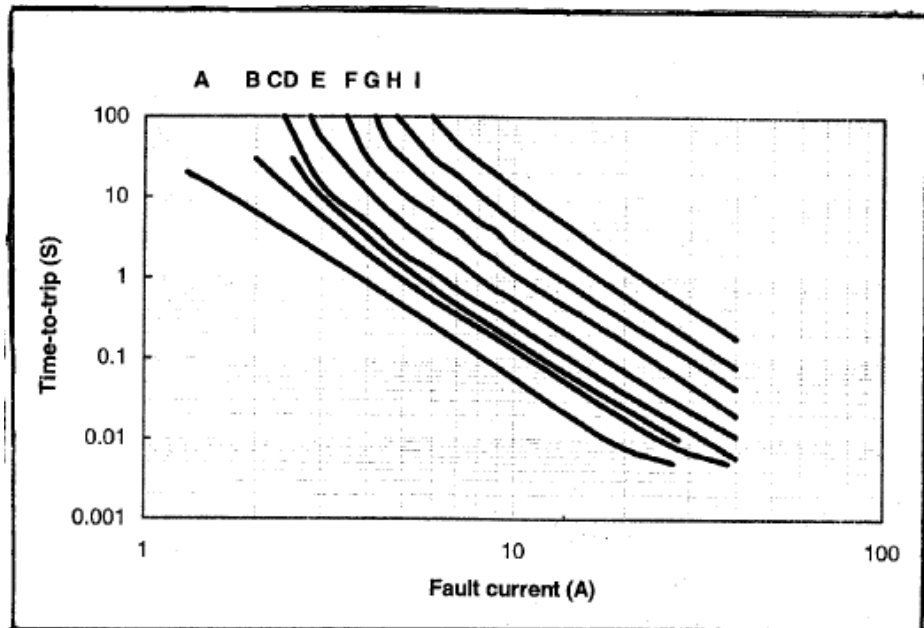
PART NO: RLD16 SERIES
(REFER TABLE)

5. Thermal Derating Curve :



6. Typical Time-To-Trip at 23°C

- A= RLDI6P075B
- B= RLDI6PI20B
- C= RLDI6PI55B
- D= RLDI6P090B
- E= RLDI6PII0B
- F= RLDI6PI35B
- G= RLDI6PI60B
- H= RLDI6PI85B
- I= RLDI6P250B



NOTE : Specification subject to change without notice.



PROTECTRON ELECTROMECH (P) LTD

DESCRIPTION : RADIAL LEADED PTC RESETTABLE FUSE

PART NO: RLD16 SERIES
(REFER TABLE)

7. Material Specification :

Lead Material : Tin plated copper, 24 AWG

Soldering characteristics : Soldering ability per ANSI/J-STD 002
Solder heat withstand per IEC 68-2-20

Insulating coating : Flame retardant epoxy polymer, 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

RLD16 SERIES
(REFER TABLE)

NOTE : Specification subject to change without notice.