



DESCRIPTION : RADIAL LEADED PTC RESETTABLE FUSE

PART NO: RLD120P SERIES
(REFER TABLE)

RoHS



1. Summary

- (a) Application : Wide variety of electronic equipment
(b) Product Features : Low hold current, solid state Radial-leaded product ideal for up to 120VDC/ 120VAC
(d) Operating current : 100mA~3.75A
(e) Maximum voltage : 20VDC/120VAC
(e) Temperature Range : -40°C to 85°C

2. Electrical Characteristics:

Part Number	I hold (a)	I trip (a)	Time max (Sec)	I max (A)	V max (Vdc)	PD max (w)	Resistance	
							Rmin (Ω)	R1max (Ω)
RLD120P010X	0.10	0.20	10.0	2.0	120	0.84	3.00	7.50
RLD120P017X	0.17	0.34	10.0	2.0	120	0.84	2.00	7.00
RLD120P020X	0.20	0.40	9.0	2.0	120	1.08	1.83	4.40
RLD120P025X	0.25	0.50	7.5	3.0	120	1.08	1.25	3.00
RLD120P030X	0.30	0.60	8.5	3.0	120	1.44	0.88	2.10
RLD120P040X	0.40	0.80	6.5	3.0	120	1.44	0.55	1.29
RLD120P050X	0.50	1.00	6.0	3.0	120	1.56	0.50	1.17
RLD120P065X	0.65	1.30	5.7	5.0	120	1.68	0.31	0.72
RLD120P075X	0.75	1.50	5.0	7.5	120	2.64	0.25	0.69
RLD120P090X	0.90	1.80	7.2	5.0	120	1.80	0.20	0.47
RLD120P100X	1.0	2.0	15.0	10.0	120	2.64	0.18	0.47
RLD120P110X	1.10	2.20	8.2	8.0	120	2.28	0.15	0.38
RLD120P125X	1.25	2.50	20.0	12.5	120	2.88	0.11	0.33
RLD120P130X	1.35	2.70	9.6	10.0	120	2.64	0.12	0.30
RLD120P135X	1.35	2.70	20.0	13.5	120	3.12	0.11	0.30
RLD120P160X	1.60	3.20	11.4	12.0	120	3.12	0.09	0.22
RLD120P185X	1.85	3.70	12.6	12.0	120	3.36	0.08	0.19
RLD120P200X	2.0	4.20	36.0	20.0	120	4.32	0.08	0.21
RLD120P250X	2.50	5.00	15.6	15.0	120	4.44	0.05	0.13
RLD120P300X	3.00	6.00	19.8	17.0	120	4.56	0.04	0.10
RLD120P375X	3.75	7.50	24.0	20.0	120	4.80	0.03	0.08

NOTE : Specification subject to change without notice.

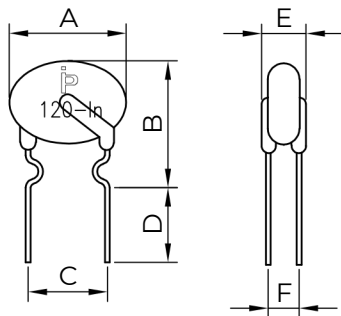
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I_h = Hold current—maximum current at which the device will not trip at 23°C still air.
 I_t = Trip current—minimum current at which the device will always trip at 23°C still air.
 V_{max} = Maximum voltage device can withstand without damage at its rated current (I_{max}).
 I_{max} = Maximum fault current device can withstand without damage at rated voltage (V_{max}).
 P_d = Typical power dissipated—type amount of power dissipated by the device when in the tripped state in 23°C still air environment.
 R_{min} = Minimum device resistance at 23°C prior to tripping.
 R_{1max} = Maximum device resistance at 23°C measured 1 hour post trip.
 Termination pad characteristics.
 Termination pad materials: Tin plated copper

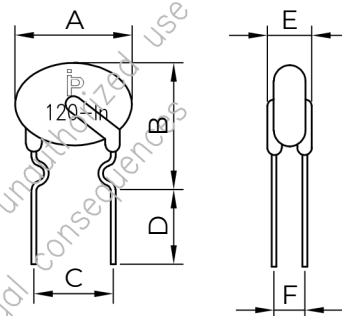
3. Product Dimensions (millimeter):

FIG.1



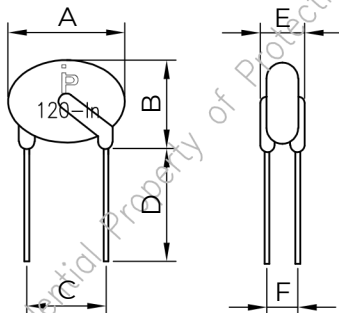
RLD120P010X ~ RLD120P017X
Lead Size : 24AWG
Ø 0.51 mm

FIG.2



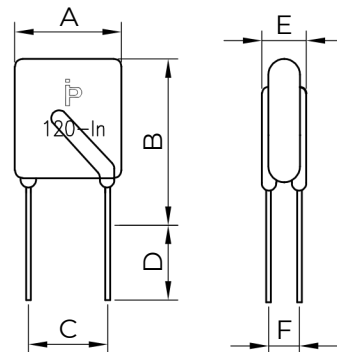
RLD120P020X ~ RLD120P090X
Lead Size : 22AWG
Ø 0.65 mm

FIG.3



RLD120P110X ~ RLD120P375X
Lead Size : 20AWG
Ø 0.81 mm

FIG.4



RLD120P072X ~ RLD120P200X
LEAD DIA: Ø0.81mm
LEAD SIZE: 20AWG

NOTE : Specification subject to change without notice.



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PART NUMBER	FIGURE	A (Max)	B (Max)	C (Typ)	D (Min)	E (Max)	F (Typ)
RLD120P010X	1	7.9	13.0	5.1	7.6	3.8	2.2
RLD120P017X	1	7.9	13.0	5.1	7.6	3.8	2.2
RLD120P020X	2	7.9	13.0	5.1	7.6	3.8	2.2
RLD120P025X	2	7.9	13.0	5.1	7.6	3.8	2.2
RLD120P030X	2	7.9	13.0	5.1	7.6	3.8	2.2
RLD120P040X	2	8.2	14.2	5.1	7.6	3.8	2.2
RLD120P050X	2	9.2	14.9	5.1	7.6	3.8	2.2
RLD120P065X	2	9.7	14.9	5.1	7.6	3.8	2.2
RLD120P070X	2	10.6	15.5	5.1	7.6	3.8	2.2
RLD120P075X	4	10.9	17.0	5.1	7.6	4.1	2.2
RLD120P090X	2	11.9	15.9	5.1	7.6	3.8	2.2
RLD120P100X	4	11.5	20.1	5.1	7.6	4.1	2.2
RLD120P110X	3	13.3	18.3	5.1	7.6	4.1	2.2
RLD120P125X	4	14.0	21.7	5.1	7.6	4.1	2.2
RLD120P130X	3	15.5	20.6	5.1	7.6	4.1	2.2
RLD120P135X	4	16.3	21.7	5.1	7.6	4.1	2.2
RLD120P160X	3	17.5	22.5	5.1	7.6	4.1	2.2
RLD120P185X	3	19.9	24.9	5.1	7.6	4.1	2.2
RLD120P200X	4	23.5	27.9	10.2	7.6	4.1	2.2
RLD120P250X	3	22.5	27.5	10.2	7.6	4.1	2.2
RLD120P300X	3	25.5	30.0	10.2	7.6	4.1	2.2
RLD120P375X	3	29.5	34.0	10.2	7.6	4.1	2.2

ORDERING INFORMATION

RLD120P SERIES
(REFER TABLE)

Projection:



Scale: NTS

Sht. Size: A4

Gen. Tol.: $\pm 0.3\text{mm}$
 $\pm 2^\circ$

ALL DIMENSIONS ARE IN MM.
IF UNLESS OTHERWISE SPECIFIED.