Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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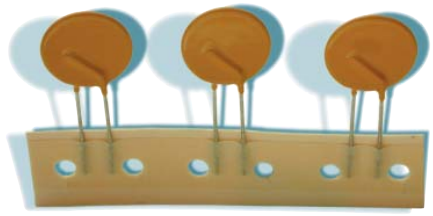
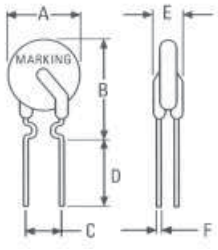
RLD60



Dimensions (mm)



Radial Leaded, 60 V

Standard
UL 1434 1st Edition
CSA C22.2 No. 0 CSA TIL No. CA-3A

Approvals
cULus Recognition
TÜV

Features

These 60V RLDs were designed to be general-purpose resettable fuses. As such, they are capable of protecting a large variety of circuits, including power supplies, speakers, security and alarm systems, certain motors etc.

Specifications

Packaging

A*	bulk
G	tape and reel
F*	tape and ammo

* preferred type

Materials

Insulating Material:	Yellow Epoxy Polymer, UL 94 V-0
Round Pins:	Copper alloy, tin plated

Max. Device Surface Temperature in Tripped State
125 °C

Operating / Storage Temperature
-40 °C to +85 °C (consider derating)

Humidity Ageing
+85 °C, 85 % R.H., 1000 hours, ± 5 % typical resistance change

Soldering Characteristics
Solderability per MIL-STD-202, Method 208E

Thermal Shock
MIL-STD-202F, Method 107G
+125 °C to -40 °C 10 times, ±10 % typical resistance change

Solvent Resistance
MIL-STD-202, Method 215F, no change

Marking
"P", voltage, amperage rating, lot number

Dimensions (mm)

Model	A Max	B Max	C typ	D Min	E Max	Physical Characteristics Lead	Material	packaging quantity bag	ammo
RLD60P010X	7.4	12.7	5.1	7.6	3.1	0.51 dia.	Sn/CuFe	500	2,000
RLD60P017X	7.4	12.7	5.1	7.6	3.1	0.51 dia.	Sn/CuFe	500	2,000
RLD60P020X	7.4	12.2	5.1	7.6	3.1	0.51 dia.	Sn/CuFe	500	2,000
RLD60P025X	7.4	12.7	5.1	7.6	3.1	0.51 dia.	Sn/CuFe	500	2,000
RLD60P030X	7.4	13.0	5.1	7.6	3.1	0.51 dia.	Sn/CuFe	500	2,000
RLD60P040X	7.6	13.5	5.1	7.6	3.1	0.51 dia.	Sn/CuFe	500	2,000
RLD60P050X	7.9	13.7	5.1	7.6	3.1	0.51 dia.	Sn/Cu	500	2,000
RLD60P065X	9.7	14.5	5.1	7.6	3.1	0.51 dia.	Sn/Cu	500	2,000
RLD60P075X	10.4	15.2	5.1	7.6	3.1	0.51 dia.	Sn/Cu	500	2,000
RLD60P090X	11.7	15.7	5.1	7.6	3.1	0.51 dia.	Sn/Cu	500	2,000
RLD60P110X	13.0	18.0	5.1	7.6	3.1	0.81 dia.	Sn/Cu	500	1,000
RLD60P135X	14.5	19.6	5.1	7.6	3.1	0.81 dia.	Sn/Cu	100	1,000
RLD60P160X	16.3	21.3	5.1	7.6	3.1	0.81 dia.	Sn/Cu	100	1,000
RLD60P185X	17.8	22.9	5.1	7.6	3.1	0.81 dia.	Sn/Cu	100	1,000
RLD60P250X	21.3	26.4	10.2	7.6	3.1	0.81 dia.	Sn/Cu	100	1,000
RLD60P300X	24.9	30.0	10.2	7.6	3.1	0.81 dia.	Sn/Cu	100	1,000
RLD60P375X	28.4	33.5	10.2	7.6	3.1	0.81 dia.	Sn/Cu	100	800

Permissible continuous operating current is ≤ 100 % at ambient temperature of 20 °C (68 °F).

Model	I_{hold} (A)	I_{Trip} (A)	$V_{max.\ dc}$ (V)	$I_{max.}$ (A)	max. time to trip (s @ A)	$P_{d\ max.}$ (W)	Resistance $R_{min.}$ ( )	$R_{1\ max.}$ ( )	Approvals cUL	TÜV
RLD60P010X	0.10	0.20	60	40	4.00 @ 0.50	0.38	2.500	7.500	•	p
RLD60P017X	0.17	0.34	60	40	3.00 @ 0.85	0.48	3.300	8.000	•	p
RLD60P020X	0.20	0.40	60	40	2.20 @ 1.00	0.41	1.830	4.400	•	•
RLD60P025X	0.25	0.50	60	40	2.50 @ 1.25	0.45	1.250	3.000	•	•
RLD60P030X	0.30	0.60	60	40	3.00 @ 1.50	0.49	0.880	2.100	•	•
RLD60P040X	0.40	0.80	60	40	3.80 @ 2.00	0.56	0.550	1.290	•	•
RLD60P050X	0.50	1.00	60	40	4.00 @ 2.50	0.77	0.500	1.170	•	•
RLD60P065X	0.65	1.30	60	40	5.30 @ 3.25	0.88	0.310	0.720	•	•
RLD60P075X	0.75	1.50	60	40	6.30 @ 3.75	0.92	0.250	0.600	•	•
RLD60P090X	0.90	1.80	60	40	7.20 @ 4.50	0.99	0.200	0.470	•	•
RLD60P110X	1.10	2.20	60	40	8.20 @ 5.50	1.50	0.150	0.380	•	•
RLD60P135X	1.35	2.70	60	40	9.60 @ 6.75	1.70	0.120	0.300	•	•
RLD60P160X	1.60	3.20	60	40	11.40 @ 8.00	1.90	0.090	0.220	•	•
RLD60P185X	1.85	3.70	60	40	12.60 @ 9.25	2.10	0.080	0.190	•	•
RLD60P250X	2.50	5.00	60	40	15.60 @ 12.50	2.50	0.050	0.130	•	•
RLD60P300X	3.00	6.00	60	40	19.80 @ 15.00	2.80	0.040	0.100	•	•
RLD60P375X	3.75	7.50	60	40	24.00 @ 18.75	3.20	0.030	0.080	•	•

NOTE:
I_{hold} = Hold current: maximum current device will pass without tripping in 20 °C still air.
I_{trip} = Trip current: minimum current at which the device will trip in 20 °C still air.
V_{max} = Maximum voltage device can withstand without damage at rated current (I_{max})
I_{max} = Maximum fault current device can withstand without damage at rated voltage (V_{max})
P_d = Power dissipated from device when in the tripped state at 20 °C still air.
R_{min} = Minimum resistance of device in initial (un-soldered) state.
R_{1max} = Maximum resistance of device at 20 °C measured one hour after tripping for 20 s.

Caution: Operation beyond the specified rating may result in damage and possible arcing and flame.
Specifications are subject to change without notice

Order Information

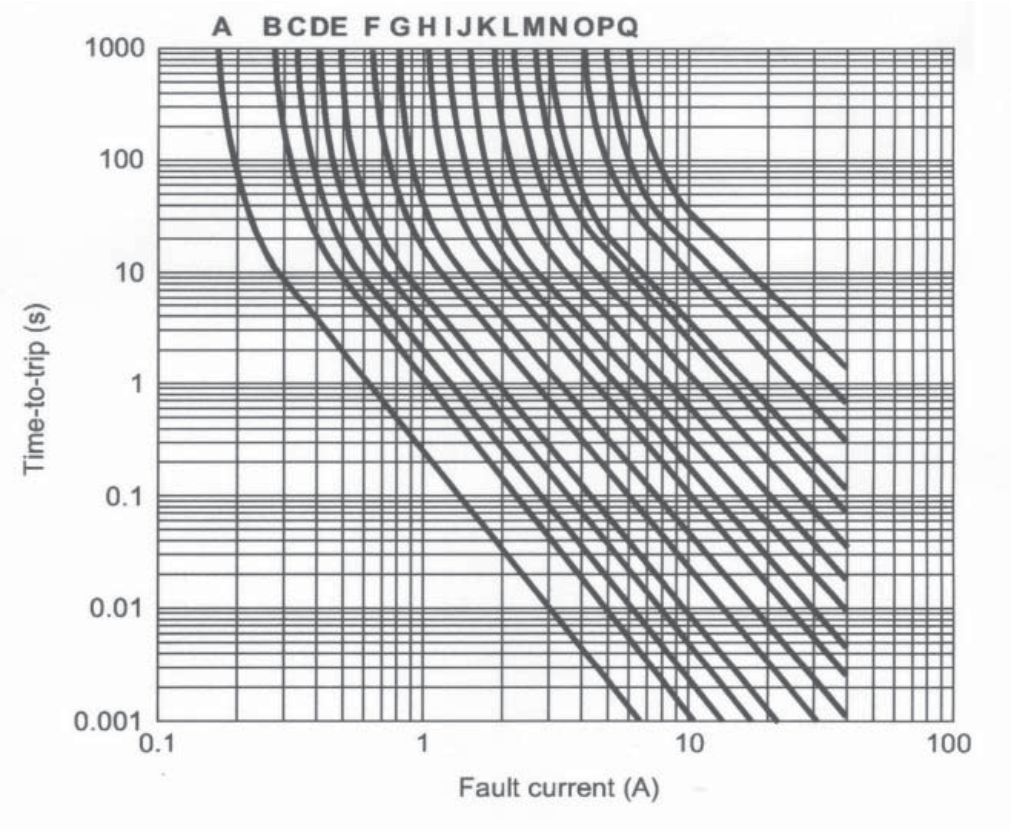
Qty.	Order-Number	Model	*	Packaging

* optional "F" for lead free devices

WICKMANN

In our continuing strategy to deliver unparalleled circuit protection solutions, technical expertise and application leadership, we proudly introduce the WICKMANN Group and its products to the Littelfuse portfolio.

RLD60



A: RLD60P010X
B: RLD60P017X
C: RLD60P020X
D: RLD60P025X
E: RLD60P030X
F: RLD60P040X
G: RLD60P050X
H: RLD60P065X
I: RLD60P075X
J: RLD60P090X
K: RLD60P110X
L: RLD60P135X
M: RLD60P160X
N: RLD60P185X
O: RLD60P250X
P: RLD60P300X
Q: RLD60P375X

Thermal Derating Chart

Model	Ambient Operation Temperature - I_{hold} (A)								
	-40 °C	-20 °C	0 °C	23 °C	40 °C	50 °C	60 °C	70 °C	85 °C
RLD60P010X	0.16	0.14	0.12	0.10	0.08	0.07	0.06	0.05	0.04
RLD60P017X	0.26	0.23	0.20	0.17	0.14	0.12	0.11	0.09	0.07
RLD60P020X	0.31	0.27	0.24	0.20	0.16	0.14	0.13	0.11	0.08
RLD60P025X	0.39	0.34	0.30	0.25	0.20	0.18	0.16	0.14	0.10
RLD60P030X	0.47	0.41	0.36	0.30	0.24	0.22	0.19	0.16	0.12
RLD60P040X	0.62	0.54	0.48	0.40	0.32	0.29	0.25	0.22	0.16
RLD60P050X	0.78	0.68	0.60	0.50	0.41	0.36	0.32	0.27	0.20
RLD60P065X	1.01	0.88	0.77	0.65	0.53	0.47	0.41	0.35	0.26
RLD60P075X	1.16	1.02	0.89	0.75	0.61	0.54	0.47	0.41	0.30
RLD60P090X	1.40	1.22	1.07	0.90	0.73	0.65	0.57	0.49	0.36
RLD60P110X	1.71	1.50	1.31	1.10	0.89	0.79	0.69	0.59	0.44
RLD60P135X	2.09	1.84	1.61	1.35	1.09	0.97	0.85	0.73	0.54
RLD60P160X	2.48	2.18	1.90	1.60	1.30	1.15	1.01	0.86	0.64
RLD60P185X	2.87	2.52	2.20	1.85	1.50	1.33	1.17	1.00	0.74
RLD60P250X	3.88	3.40	2.98	2.50	2.03	1.80	1.58	1.35	1.00
RLD60P300X	4.65	4.08	3.57	3.00	2.43	2.16	1.89	1.62	1.20
RLD60P375X	5.81	5.10	4.46	3.75	3.04	2.70	2.36	2.03	1.50