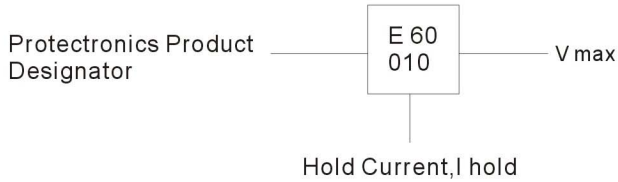


RDL60 Series-PPTC Resettable Fuses



自復式保險絲

Typical Part Marking



Product Marking

RDL 60V 010

Series _____
 RDL=Radial Leaded Component
 STP=Axial Leaded " Strap " Component
 SLT=Axial Leaded " Strap " Component
 SLR=Axial Leaded " Strap " Component
 SVT=Axial Leaded " Strap " Component
 V max _____
 Hold Current, I hold _____

Environmental Characteristic

Operating/Storage Temperature.....-40°C to +85°C
 Maximum Device Surface Temperature
 In Tripped state..... 125°C
 Passive Aging.....+85°C , 1000hrs..... ± 5%typical resistance change
 Humidity Aging.....+85°C , 85%R,H, 1000hrs..... ± 5%typical resistance change
 Thermal Shock.....MIL-STD-883c, Method 107G..... ± 5%typical resistance change+125°Cto-10°C, 10times
 vibration.....MIL-STD-883C, Method 2007, 1.....No change Condition A.

Test procedures and Requirements

Test	Test Conditions	Accept/Reject Criteria
Visual/Mech	Verify dimensions and materials	Per MF physical description
Resistance	In still air @25°C	$R_{min} \leq R \leq R_{max}$
Time to Trip	At specified current, V_{max} , 25°C	$T \leq \text{max. time to trip (seconds)}$
Hold Current	30 min, at I_{hold}	No trip
Trip Cycle Life	V_{max} , I_{max} , 100 cycles	No arcing or burning
Trip Endurance	V_{max} , 48hours	No arcing or burning

Electrical Characteristics

Model	V max. (Volts)	I max. (Amps)	I hold	I trip	Initial Resistance		1 Hour Post-Trip Resistance R1 Ohms at 25°C	Max. Time To Trip		Tripped Power Dissipation P(D) Watts at 25°C
			Amperes at 25 °C		Ohms at 25°C			Amperes at 25°C	Seconds at 25°C	
			Hold	Trip	Min.	Max.	Max.			
RDL60V010	60	40	0.10	0.20	2.50	4.50	7.50	0.50	4.00	0.38
RDL60V017	60	40	0.17	0.34	2.00	3.20	8.00	0.85	3.00	0.48
RDL60V020	60	40	0.20	0.40	1.83	2.84	4.40	1.00	2.20	0.40
RDL60V025	60	40	0.25	0.50	1.25	1.95	3.00	1.25	2.50	0.45
RDL60V030	60	40	0.30	0.60	0.88	1.36	2.10	1.50	3.00	0.50
RDL60V040	60	40	0.40	0.80	0.55	0.86	1.29	2.00	3.80	0.55
RDL60V050	60	40	0.50	1.00	0.50	0.77	1.17	2.50	4.00	0.75
RDL60V065	60	40	0.65	1.30	0.31	0.48	0.72	3.25	5.30	0.90
RDL60V075	60	40	0.75	1.50	0.25	0.40	0.60	3.75	6.30	0.90
RDL60V090	60	40	0.90	1.80	0.20	0.31	0.47	4.50	7.20	1.00
RDL60V110	60	40	1.10	2.20	0.15	0.25	0.38	5.50	8.20	1.50
RDL60V135	60	40	1.35	2.70	0.12	0.19	0.30	6.75	9.60	1.70
RDL60V160	60	40	1.60	3.20	0.09	0.14	0.22	8.00	11.40	1.90
RDL60V185	60	40	1.85	3.70	0.08	0.12	0.19	9.25	12.60	2.10
RDL60V250	60	40	2.50	5.00	0.05	0.08	0.13	12.50	15.60	2.50
RDL60V300	60	40	3.00	6.00	0.04	0.06	0.10	15.00	19.80	2.80
RDL60V375	60	40	3.75	7.50	0.03	0.05	0.08	18.75	24.00	3.20

Note:

- V_{max}: Maximum voltage device can withstand without damage at rated voltage.
- I_{max}: Maximum fault current device can withstand without damage at rated voltage.
- I_{hold}: Hold current: maximum current device will sustain for 30 mins without tripping in 25°C still air.
- I_{trip}: Trip current: minimum current at which the device will trip in 25°C still air.
- R_{min}: Minimum resistance of device in initial (un - soldered) state.
- R_{1max}: Minimum resistance of device at 25°C measured one hour after tripping.
- P_(d): Power dissipated from device when in the tripped state at 25°C still air.

Caution:

Operation beyond the specified rating may result in damage and possible arcing and flame.