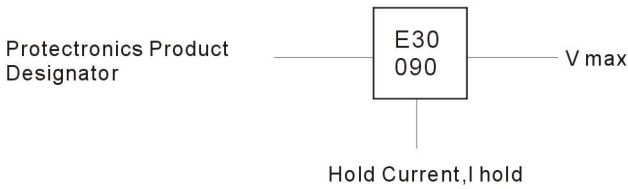


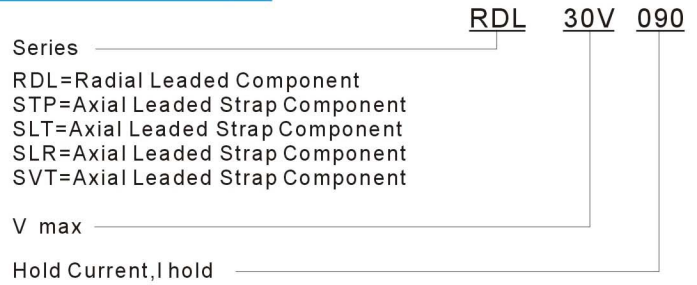
RDL30 Series-PPTC Resettable Fuses



Typical Part Marking



Product Marking



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°C to -10°C, 10 times
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} , 48 hours.....	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	Max. Time To Trip		Tripped Power Dissipation P(D)
			Amperes at 25°C		Ohms at 25°C		Ohms at 25°C	Amperes at 25°C	Seconds at 25°C	Watts at 25°C
			Hold	Trip	Min.	Max.	Max.			
RDL30V090	30	40	0.90	1.80	0.07	0.12	0.22	4.50	5.90	0.60
RDL30V110	30	40	1.10	2.20	0.05	0.10	0.27	5.50	6.60	0.70
RDL30V135	30	40	1.35	2.70	0.04	0.08	0.17	6.75	7.30	0.80
RDL30V160	30	40	1.60	3.20	0.03	0.07	0.15	8.00	8.00	0.90
RDL30V185	30	40	1.85	3.70	0.03	0.06	0.11	9.25	8.70	1.00
RDL30V250	30	40	2.50	5.00	0.02	0.05	0.07	12.50	10.30	1.20
RDL30V300	30	40	3.00	6.00	0.02	0.05	0.08	15.00	10.80	2.00
RDL30V400	30	40	4.00	8.00	0.01	0.03	0.05	20.00	12.70	2.50
RDL30V500	30	40	5.00	10.00	0.01	0.03	0.05	25.00	14.50	3.00
RDL30V600	30	40	6.00	12.00	0.005	0.02	0.04	30.00	16.00	3.50
RDL30V700	30	40	7.00	14.00	0.005	0.02	0.03	35.00	17.00	3.80
RDL30V800	30	40	8.00	16.00	0.005	0.02	0.03	40.00	18.80	4.00
RDL30V900	30	40	9.00	18.00	0.005	0.01	0.02	45.00	20.00	4.20

Note:

- Vmax: 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.
- Rmin: Minimum resistance of device in initial (un - soldered) state.
- Rlmax: 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.