

## Resettable Fuse PTC

### Features

Radial led devices.

Over-current protection

High voltage surge capabilities

Flame retardant epoxy polymer insulating material meets UL94 V-0 requirement.

Available in lead-free version.

Meets MSL level 1, per J-STD-020



### Dimensions(Unit:mm)

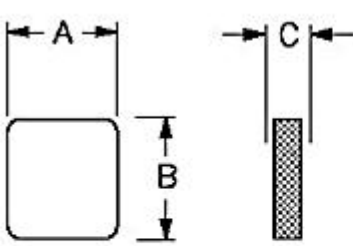


Figure 1

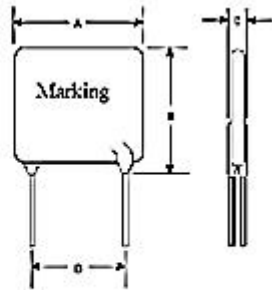


Figure 2

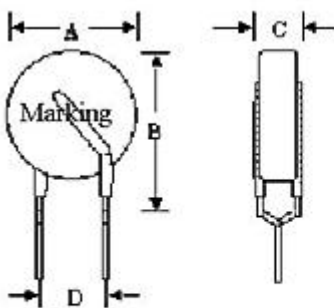


Figure 3

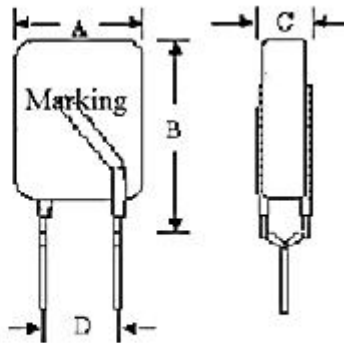


Figure 4

## Electrical characteristics(25°C)

Part Number	I <sub>hold</sub>	I <sub>trip</sub>	V <sub>max</sub>	V <sub>max</sub>	I <sub>max</sub>	P <sub>d</sub>	Maximum Time To Trip		Resistance		
			OP	Interrupt			Typ	Current	Time	R <sub>min</sub>	R <sub>max</sub>
	(mA)	(mA)	V <sub>dc</sub>	V <sub>rms</sub>	(A)	(W)					
JK250020U	20	45	60	250	3.0	1.0	1.0	0.1	80	160	240
JK250030U	30	65	60	250	3.0	1.0	1.0	0.1	60	120	180
JK250040U	40	80	60	250	3.0	1.0	0.5	1	30	60	80
JK250060U	60	120	60	250	3.0	1.0	0.5	2	22	40	60
JK250080U	80	160	60	250	3.0	1.0	1	0.25	14	22	33
JK250090U	90	180	60	250	3.0	1.0	1	0.5	10	20	31
JK250100U	100	200	60	250	3.0	1.0	1	1	10	20	31
JK250110U	110	220	60	250	3.0	1.0	1	1.2	6	12	16
JK250120	120	240	60	250	3.0	1.0	1	1.2	5	10	14
JK250120U	120	240	60	250	3.0	1.0	1	1.2	6	11	16
JK250145U	145	290	60	250	3.0	1.0	1	4	3.5	6.5	14
JK250180T	180	540	60	250	10.0	1.8	3	1.5	1.0	2.2	4
JK250180U	180	540	60	250	10.0	1.8	3	1.5	1	3	5
JK250200U	200	400	60	250	10.0	2.4	3	5	3	6	9
JK250400U	400	800	60	250	10.0	2.8	3	8	1	3	6
JK250600U	600	1200	60	250	10.0	3.2	3	12	0.6	2.0	5
JK250800U	800	1600	60	250	10.0	3.6	4	18	0.4	1.0	3
JK2501000U	1000	2000	60	250	10.0	3.6	5	20	0.5	0.8	2
JK2501200U	1200	2400	60	250	10.0	3.6	6	20	0.2	0.8	2
JK2501500U	1500	3000	60	250	10.0	4.8	7.5	20	0.2	0.6	1.5
JK2502000U	2000	4000	60	250	10.0	4.8	10	20	0.2	0.4	1.5

- I<sub>H</sub> = Hold current: maximum current device will pass without tripping in 25°C still air.
- I<sub>T</sub> = Trip current: minimum current at which the device will trip in 25°C still air.
- V<sub>MAXi</sub> = Maximum interrupt voltage device can withstand without damage at rated current.
- I<sub>MAX</sub> = Maximum fault current device can withstand without damage at rated voltage.
- R<sub>MAX</sub> = Maximum resistance of device in initial (un-soldered) state.
- R<sub>MIN</sub> = Minimum resistance of device in initial (un-soldered) state.

**Operating temperature: -40°C ~+85°C**

**Packing quantity:1000PCS**

Specifications are subject to change without notice



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**Cross Reference List (250V Series)**

HUAAN Resettable Fuse Part Number	Cross Reference		
	Littelfuse Resettable PTC Part Number	TE Connectivity PolySwitch Part Number	
JK250080U	250R080	TRF250-080T	
JK250110U	-	TRF250-110U	
JK250120U	250R120 250R120U	TRF250-120 TRF250-120U	
JK250120	-	-	
JK250145U	250R145 250R145U	TRF250-145 TRF250-145U	
JK250180T	250R180T	-	
JK250180U	250R180	-	

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