

## Resettable Fuse PTC

### Features

Radial leaded 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)

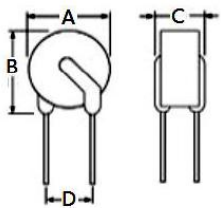


Fig.1

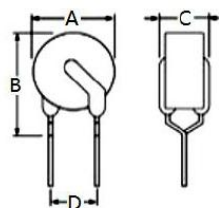


Fig.2

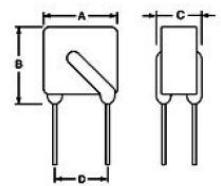


Fig.3

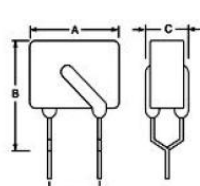


Fig.4



Part Number	Maximum Contour Size(mm)				Lead material	Shape
	A	B	C	D	Tinned Matel(mm)	Fig
JK250-020U	7.4	12.7	4.5	5.10	22 AWG/ Φ0.6	Fig1
JK250-030U	7.4	12.7	4.5	5.10	22 AWG/ Φ0.6	Fig1
JK250-040U	7.4	12.7	4.5	5.10	22 AWG/ Φ0.6	Fig2
JK250-050U	7.4	12.7	4.5	5.10	22 AWG/ Φ0.6	Fig1 and 2
JK250-055U	7.4	12.7	4.5	5.10	22 AWG/ Φ0.6	Fig1 and 2
JK250-060U	7.4	12.7	4.5	5.10	22 AWG/ Φ0.6	Fig1 and 2
JK250-080U	7.4	12.7	4.5	5.10	22 AWG/ Φ0.6	Fig2
JK250-090U	7.4	12.7	4.5	5.10	22 AWG/ Φ0.6	Fig2
JK250-100U	7.8	12.6	4.5	5.10	22 AWG/ Φ0.6	Fig1
JK250-110U	7.0	12.6	4.5	5.10	22 AWG/ Φ0.6	Fig4

Part Number	Maximum Contour Size(mm)				Lead material	Shape
	A	B	C	D	Tinned Matel(mm)	Fig
JK250-120U	7.0	12.6	4.5	5.10	22 AWG/ Φ0.6	Fig4
JK250-145U	7.0	12.6	4.5	5.10	22 AWG/ Φ0.6	Fig4
JK250-180T	10.2	14.5	3.8	5.10	22 AWG/ Φ0.6	Fig2
JK250-180U	9.0	11.0	4.5	5.10	22 AWG/ Φ0.6	Fig4
JK250-200U	12.0	17.0	4.5	5.10	22 AWG/ Φ0.6	Fig3
JK250-400U	12.0	17.0	4.5	5.10	22 AWG/ Φ0.6	Fig3
JK250-600U	16.0	18.0	4.5	5.10	22 AWG/ Φ0.6	Fig3
JK250-800U	20.0	22.5	4.5	5.10	20 AWG/ Φ0.8	Fig3
JK250-1000U	20	22.5	4.5	5.10	20 AWG/ Φ0.8	Fig3
JK250-1200U	22	28	4.5	5.10	20 AWG/ Φ0.8	Fig3
JK250-1500U	25	30	4.5	5.10	20 AWG/ Φ0.8	Fig3
JK250-2000U	26	32	4.5	10.2	20 AWG/ Φ0.8	Fig3

### Electrical characteristics(25°C)

Part Number	Ihold	Itrip	Vmax	Vmax	Imax	Pd	Maximum Time To Trip		Resistance		
			OP	Interrupt			Typ	Current	Time	Rmin	Rmax
	(mA)	(mA)	Vdc	Vrms	(A)	(W)					
JK250-020U	20	45	60	250	3.0	1.0	1.0	0.1	80	160	240
JK250-030U	30	65	60	250	3.0	1.0	1.0	0.1	60	120	180
JK250-040U	40	80	60	250	3.0	1.0	0.5	1	30	60	80
JK250-050U	50	100	60	250	3.0	1.0	0.5	2	25	50	70
JK250-055U	55	110	60	250	3.0	1.0	0.5	2	20	55	65
JK250-060U	60	120	60	250	3.0	1.0	0.5	2	22	40	60
JK250-080U	80	160	60	250	3.0	1.0	1	0.25	14	22	33
JK250-090U	90	180	60	250	3.0	1.0	1	0.5	10	20	31
JK250-100U	100	200	60	250	3.0	1.0	1	1	10	20	31
JK250-110U	110	220	60	250	3.0	1.0	1	1.2	6	12	16
JK250-120U	120	240	60	250	3.0	1.0	1	1.2	6	11	16
JK250-145U	145	290	60	250	3.0	1.0	1	4	3.5	6.5	14
JK250-180T	180	540	60	250	10.0	1.8	3	1.5	1.0	2.2	4
JK250-180U	180	540	60	250	10.0	1.8	3	1.5	1	3	5
JK250-200U	200	400	60	250	10.0	2.4	3	5	3	6	9
JK250-400U	400	800	60	250	10.0	2.8	3	8	1	3	6
JK250-600U	600	1200	60	250	10.0	3.2	3	12	0.6	2.0	5

<b>JK250-800U</b>	800	1600	60	250	10.0	3.6	4	18	0.4	1.0	3
<b>JK250-1000U</b>	1000	2000	60	250	10.0	3.6	5	20	0.5	0.8	2
<b>JK250-1200U</b>	1200	2400	60	250	10.0	3.6	6	20	0.2	0.8	2
<b>JK250-1500U</b>	1500	3000	60	250	10.0	4.8	7.5	20	0.2	0.6	1.5
<b>JK250-2000U</b>	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:**

**JK250-020U ~ JK250-180U 1000pcs/Bag**

**JK250-200U ~ JK250-600U 500pcs/Bag**

**JK250-800U ~ JK250-2000U 200pcs/Bag**



**250V Series**

### Cross Reference List (250V Series)

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

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Specifications are subject to change without notice

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