Resettable Fuse PTC 600V Series

Features

RoHS Compliant & lead Free

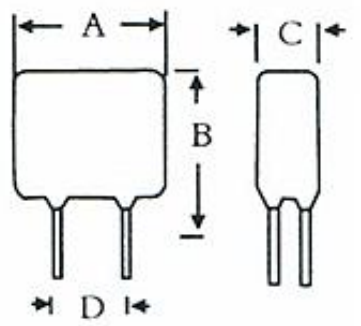
Radial leaded Devices

Cured，flame retardant epoxy polymer insulating material meets UL94V-0 requirements

Operation Current: 0.11A~0.16A

Agency recognition:

Dimensions(Unit:mm)





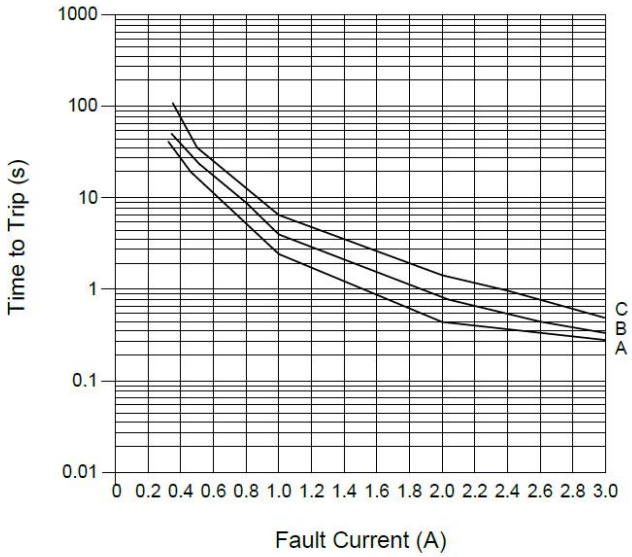
Part number	Dimensions(mm)				Lead material	Shape	Certification		Delivery Time	
	A(max)	B(max)	C(max)	D(Typ)	Tinned Matel(mm)	Fig	UL	TUV	in stock	Produce
JK600110U	15	15	5.5	5.1	22 AWG/ Φ0.6	Fig1	-	-	3days	14days
JK600150U	15	15	5.5	5.1	22 AWG/ Φ0.6	Fig1	-	-	3days	14days
JK600160U	15	15	5.5	5.1	22 AWG/ Φ0.6	Fig1	-	-	3days	14days

Note: Dimensions A,B,C is the maximum size,D Values is typical tolernce of ±0.75mm

thermal Derating Chart-IH(A)

	Maximum ambient operating temperatures ℃								
Part Number	**-40℃**	**-20℃**	**0℃**	**25℃**	**40℃**	**50℃**	**60℃**	**70℃**	**85℃**
JK600110U	0.162	0.152	0.131	0.11A	0.0913	0.0803	0.0704	0.0605	0.0462
JK600150U	0.221	0.207	0.178	0.15A	0.125	0.110	0.0960	0.0825	0.063
JK600160U	0.235	0.221	0.190	0.16A	0.133	0.117	0.1024	0.0880	0.0672

Typical Time-to-Trip Charts @25℃



A=JK600110U
B=JK600150U
C=JK600160U

Electrical characteristics(25℃)

Part Number	I Hold	I Trip	Vmax interrupt	Imax	Pd Max	Maximum Time to Trip		Nominal resistance（Ω）		Certification		Delivery Time	
	A	A	V	A	W	Current（A）	Time（S）	Rmin	Rmax	UL	TUV	in stock	Produce
JK600110U	0.11	0.22	600V	3	1.0	1.0	8	6	16	-	-	3days	14days
JK600150U	0.15	0.30	600V	3	1.0	1.0	9	5	14	-	-	3days	14days
JK600160U	0.16	0.32	600V	3	1.0	1.0	10	4	12	-	-	3days	14days

IHold=Hold current:maximum current at which the device will not trip at 25℃ still air.

ITrip=Trip current:minimum current at which the device will nalways at 25℃ still air.

Vmax=Maximum voltage device can withstand without damage at rated current.

Imax=Maximum fault current device can withstand tithout damage at rated voltage.

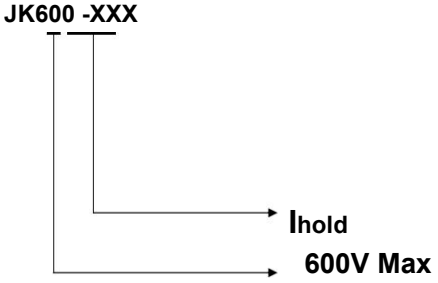
Ttrip=Maximum time to trip(s) at assigned current.

Pd=Typical power dissipation:typical amount of power dissipated by the decice when in state air environment.

Rmin=Minimum device resistance at 25℃ prior to tripping.

Rmax=Maximum device resistance at 25℃ prior to tripping.

Marking System

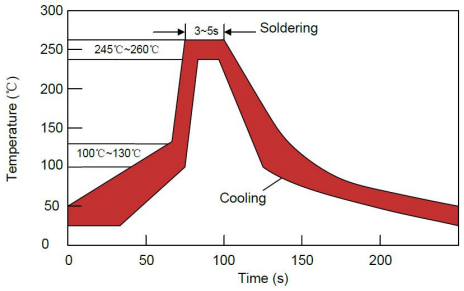


Environmental Specifications

Test	Conditions	Resistance change
Passive aging	+85℃，1000hrs	±8% typical
Humidity aging	+85℃，85%R.H.1000hrs	±8% typical
Thermal shock	+125℃ to -55℃，10times	±12% typical
Resistance to solvent	MIL-STD-202，Method 215	No change
Vibration	MIL-STD-202，Method 201	No change

Wave Soldering:

Soldering Temperature:260℃~270℃
Soldering Time:≤3sec.
Soldering Position: Resettable fuse wire and the bottom ≥ 6mm。
Manual soldering
Soldering Temperature:250℃~280℃
Soldering Time: ≤3sec.
Soldering Position: Resettable fuse wire and the bottom ≥ 6mm。



Packing quantity:

JK600110U ~ JK600160U 200pcs/Bag

Storage

The maximum ambient temperature shall not exceed 40℃.Storage temperatures higher than 40℃ could result in the deformation of packaging materials.The maximum relative humidity recommended for storage is 70%.High humidity with high temperature can accelerate the oxidation the oxidation of the solder plating on the termination and reduce the solderability of the components.sealed plastic bags with desiccant shall be used to teduce the oxidation of the termination and shall only be opened prior to use.the products shall not be stored in areas where harmful gases containing sulfu of chlorine are present.

Warning:

Please read this specification before use the product。Using of this product must be sure to follow the requirement of this specification，operation beyond the specified maximum ratings or improper use may result in damage and possible electrical arcing and flame.PTC resettable fuses are intended for occasional over current protection. Application for repeated over current condition or prolonged trip are not anticipated.Please avoid contact of PTC resettable fuses with chemical solvent. Prolonged contact will damage the device performance.You are requested not to use our product deviating from the agreed specifications.

