

Resettable Fuse PTC 250V Series

Features

RoHS Compliant & lead Free

Radial leaded Devices

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

Operation Current: 20mA~2000mA

Agency recognition:



Dimensions(Unit:mm)

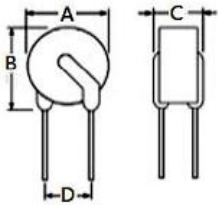


Fig 1

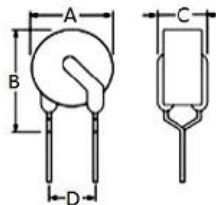


Fig 2

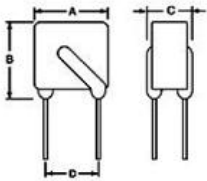


Fig 3

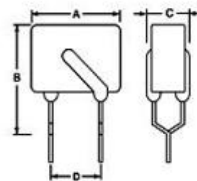


Fig 4



Part number	Dimensions(mm)				Lead material Tinned Matel(mm)	Shape Fig	Certification		Delivery Time	
	A(max)	B(max)	C(max)	D(Typ)			UL	TUV	in stock	Produce
JK250-020U	7.4	12.7	4.5	5.10	22 AWG/ Φ0.6	Fig1	-	-	3days	14days
JK250-030U	7.4	12.7	4.5	5.10	22 AWG/ Φ0.6	Fig1	-	-	3days	14days
JK250-040U	7.4	12.7	4.5	5.10	22 AWG/ Φ0.6	Fig2	√	√	3days	14days
JK250-050U	7.4	12.7	4.5	5.10	22 AWG/ Φ0.6	1 / 2	-	-	3days	14days
JK250-055U	7.4	12.7	4.5	5.10	22 AWG/ Φ0.6	1/ 2	-	-	3days	14days
JK250-060U	7.4	12.7	4.5	5.10	22 AWG/ Φ0.6	1 / 2	√	√	3days	14days
JK250-080U	7.4	12.7	4.5	5.10	22 AWG/ Φ0.6	Fig2	√	√	3days	14days
JK250-090U	7.4	12.7	4.5	5.10	22 AWG/ Φ0.6	Fig2	√	√	3days	14days
JK250-100U	7.8	12.6	4.5	5.10	22 AWG/ Φ0.6	Fig1	-	√	3days	14days
JK250-110U	7.0	12.6	4.5	5.10	22 AWG/ Φ0.6	Fig4	-	√	3days	14days
JK250-120U	7.0	12.6	4.5	5.10	22 AWG/ Φ0.6	Fig4	√	√	3days	14days

Specifications are subject to change without notice

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Tel: +86-755-27465585

HUAAN LIMITED

www.huaandz.com

Email: sales@huaandz.com

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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
JK250-145U	7.0	12.6	4.5	5.10	22 AWG/ Φ0.6	Fig4	√	√	3days	14days
JK250-180T	10.2	14.5	3.8	5.10	22 AWG/ Φ0.6	Fig2	√	√	3days	14days
JK250-180U	9.0	11.0	4.5	5.10	22 AWG/ Φ0.6	Fig4	√	√	3days	14days
JK250-200U	12.0	17.0	4.5	5.10	22 AWG/ Φ0.6	Fig3	√	√	3days	14days
JK250-400U	12.0	17.0	4.5	5.10	22 AWG/ Φ0.6	Fig3	√	√	3days	14days
JK250-600U	16.0	18.0	4.5	5.10	22 AWG/ Φ0.6	Fig3	√	√	3days	14days
JK250-800U	20.0	22.5	4.5	5.10	20 AWG/ Φ0.8	Fig3	√	√	3days	14days
JK250-1000U	20	22.5	4.5	5.10	20 AWG/ Φ0.8	Fig3	√	√	3days	14days
JK250-1200U	22	28	4.5	5.10	20 AWG/ Φ0.8	Fig3	√	√	3days	14days
JK250-1500U	25	30	4.5	5.10	20 AWG/ Φ0.8	Fig3	√	√	3days	14days
JK250-2000U	26	32	4.5	10.2	20 AWG/ Φ0.8	Fig3	√	√	3days	14days

Electrical characteristics(25°C)

Part Number	I Hold	I Trip	V _{max} interrupt	I _{max}	P _d Max	Maximum Time to Trip		Nominal resistance (Ω)		Certification		Delivery Time	
	mA	mA	V	A	W	Current (A)	Time (S)	R _{min}	R _{max}	UL	TUV	in stock	Produce
JK250-020U	20	45	250V	3	1.0	0.5	0.5	80	160	-	-	3days	14days
JK250-030U	30	65	250V	3	1.0	0.5	0.5	60	120	-	-	3days	14days
JK250-040U	40	80	250V	3	1.0	0.5	1.5	30	60	√	√	3days	14days
JK250-050U	50	100	250V	3	1.0	0.5	2	25	50	-	-	3days	14days
JK250-055U	55	110	250V	3	1.0	0.5	2	20	55	-	-	3days	14days
JK250-060U	60	120	250V	3	1.0	0.5	2	20	60	√	√	3days	14days
JK250-080U	80	160	250V	3	1.0	1	0.5	12	22	√	√	3days	14days
JK250-090U	90	180	250V	3	1.0	1	0.8	10	20	√	√	3days	14days
JK250-100U	100	200	250V	3	1.0	1	1	10	20	-	√	3days	14days
JK250-110U	110	220	250V	3	1.0	1	2	6	12	-	√	3days	14days
JK250-120U	120	240	250V	3	1.0	1	2	6	11	√	√	3days	14days
JK250-145U	145	290	250V	3	1.0	1	5	3.5	6.5	√	√	3days	14days
JK250-180T	180	540	250V	3	1.8	3	3	1.0	2.2	√	√	3days	14days
JK250-180U	180	540	250V	3	1.8	3	1.5	2	4	√	√	3days	14days
JK250-200U	200	400	250V	5	2.4	3	5	3	6	√	√	3days	14days
JK250-400U	400	800	250V	5	2.8	3	8	1	3	√	√	3days	14days
JK250-600U	600	1200	250V	5	3.2	3	12	0.6	2.0	√	√	3days	14days

Electrical characteristics(25°C)

Part Number	I Hold	I Trip	V _{max} interrupt	I _{max}	P _d Max	Maximum Time to Trip		Nominal resistance (Ω)		Certification		Delivery Time	
	(mA)	(mA)	V	A	W	Current (A)	Time (S)	R _{min}	R _{max}	UL	TUV	in stock	Produce
JK250-800U	800	1600	250V	5	3.6	4	18	0.4	1.0	√	√	3days	14days
JK250-1000U	1000	2000	250V	7	3.6	5	20	0.3	0.8	√	√	3days	14days
JK250-1200U	1200	2400	250V	7	3.6	6	20	0.2	0.8	√	√	3days	14days
JK250-1500U	1500	3000	250V	7	4.8	7.5	20	0.2	0.6	√	√	3days	14days
JK250-2000U	2000	4000	250V	10	4.8	10	20	0.2	0.4	√	√	3days	14days

I_{Hold}=Hold current:maximum current at which the device will not trip at 25°C still air.

I_{Trip}=Trip current:minimum current at which the device will nalways at 25°C still air.

V_{max}=Maximum voltage device can withstand without damage at rated current.

I_{max}=Maximum fault current device can withstand tithout damage at rated voltage.

T_{trip}=Maximum time to trip(s) at assigned current.

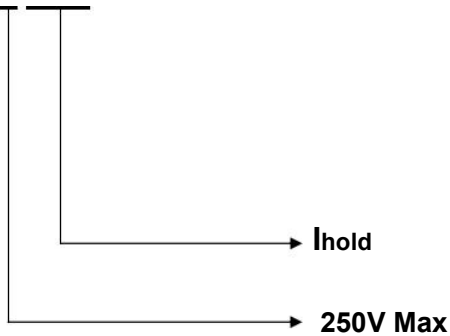
P_d=Typical power dissipation:typical amount of power dissipated by the decice when in state air environment.

R_{min}=Minimum device resistance at 25°C prior to tripping.

R_{max}=Maximum device resistance at 25°C prior to tripping.

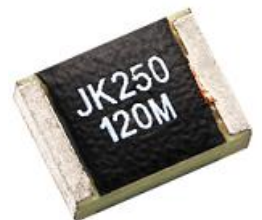
Marking System

JK250 -XXX



The 250V Surface Mount Device part number has been successfully developed

DIP Part Number	SMD Part Number
JK250-100U	= JK250-100M
JK250-110U	= JK250-110M
JK250-120U	= JK250-120M
JK250-180U	= JK250-180M
JK250-200U	= JK250-200M



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