

Performance Specification

Model						Maximum Time		Resistance	
	V _{max}	I _{max}	I _{hold}	I _{trip}	P _d	To Trip			
					Typ.	Current	Time	Rmin	Rmax
	(Vdc)	(A)	(A)	(A)	(W)	(A)	(Sec)	(Ω)	(Ω)
JK60-005	60	40	0.05	0.15	0.26	0.25	8.0	7.3	20
JK60-010	60	40	0.10	0.3	0.38	0.5	5.0	2.5	7.5
JK60-017	60	40	0.17	0.34	0.48	0.85	5.0	2	5.21
JK60-020	60	40	0.2	0.4	0.41	1.0	5.0	1.5	2.84
JK60-025	60	40	0.25	0.5	0.45	1.25	5.0	1.0	1.95
JK60-030	60	40	0.30	0.6	0.49	1.5	5.0	0.76	1.38
JK60-040	60	40	0.40	0.8	0.56	2.0	5.0	0.45	0.88
JK60-050	60	40	0.50	1.0	0.77	2.5	5.0	0.40	0.79
JK60-065	60	40	0.65	1.3	0.88	3.25	5.0	0.31	0.50
JK60-075	60	40	0.75	1.5	0.92	3.75	5.0	0.25	0.42
JK60-090	60	40	0.90	1.8	0.99	4.5	5.0	0.20	0.33
JK60-110	60	40	1.10	2.2	1.5	5.5	8.0	0.15	0.27
JK60-135	60	40	1.35	2.7	1.7	6.75	8.0	0.12	0.21
JK60-160	60	40	1.60	3.2	1.9	8.0	8.0	0.09	0.16
JK60-185	60	40	1.85	3.7	2.1	9.25	8.0	0.08	0.14
JK60-200	60	40	2.00	4.0	2.3	10.0	8.0	0.07	0.14
JK60-250	60	40	2.50	5.0	2.5	12.5	8.0	0.05	0.10
JK60-300	60	40	3.00	6.0	2.8	15.0	8.0	0.04	0.08
JK60-375	60	40	3.75	7.5	3.2	18.75	24.0	0.03	0.06
JK60-500	60	40	5.00	10	3.5	25.0	24.0	0.02	0.06

I_H=Hold current:Maximum current at which the device will not interrupt in 25°C still air.

I_T=Trip current:Minimum current at which the device from low resistance to high resistance in 25°C still air.

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

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

Maximum Time-to-trip:Maximum time to trip at assigned current.

P_d=Typical power dissipation:Typical amount of power dissipated from the device when in 25°C still air environment.

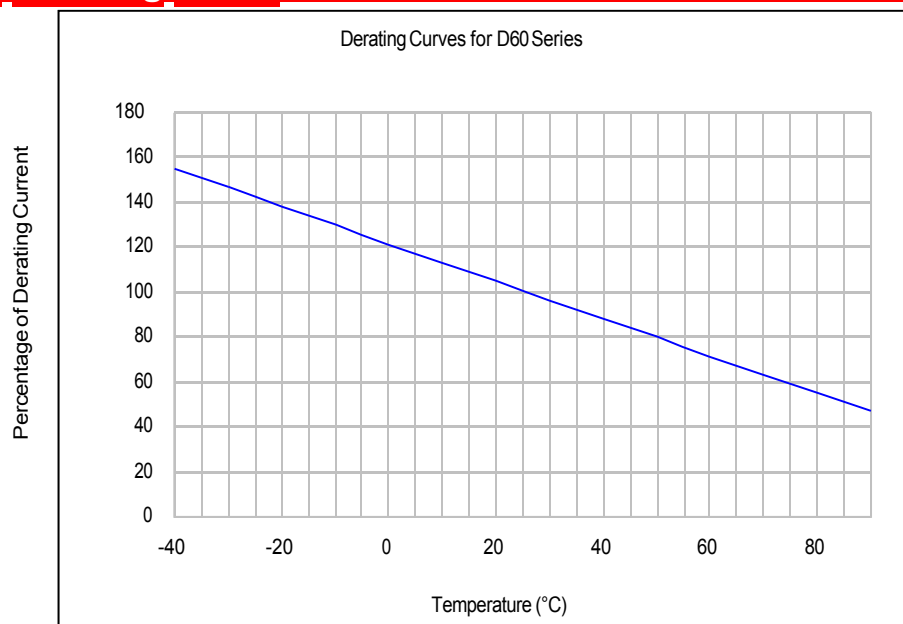
R_{min}=Minimum resistance of device at 25°C prior to tripping.

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

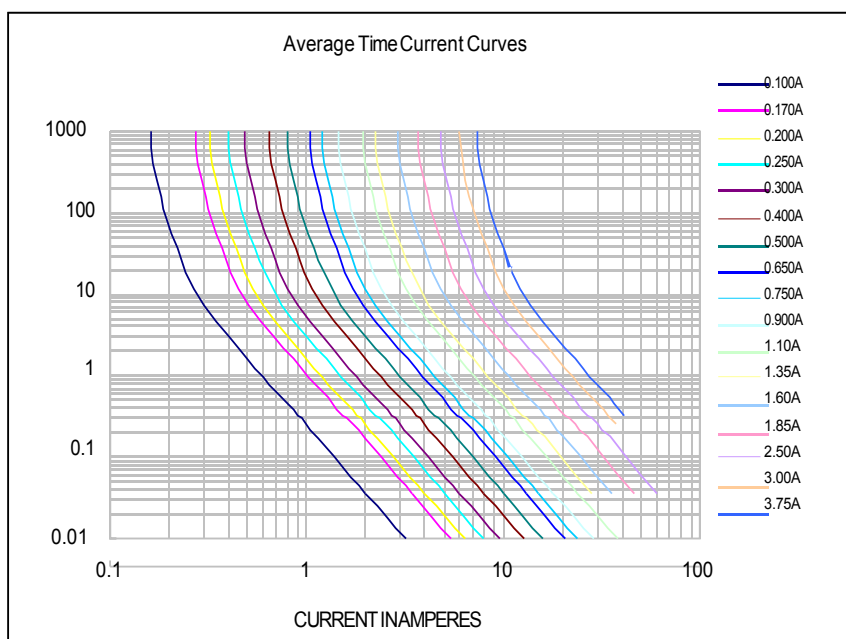
Environmental Specifications

Test	Conditions	Resistance change
Passive Aging	+85°C , 1000hours	≤ R _{max}
Humidity Aging	+85°C , 85%R.H.1000hours	≤ R _{max}
Thermal Shock	+125°C to -55°C , 10 Times	≥ R _{min}
Solvent Resistance	MIL-STD-202, Method 215F	No change
Vibration	MIL-STD-202, Method 201	No change

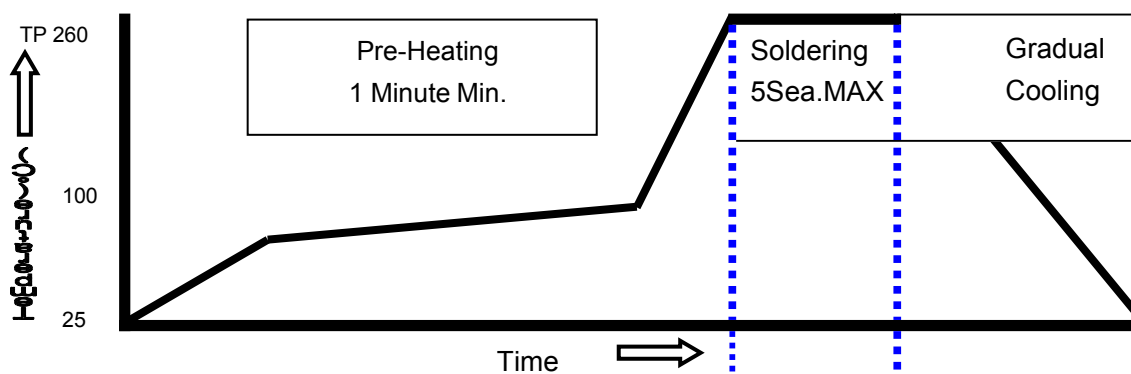
Thermal Derating Curve



Average Time-Current Curve



Soldering Parameters

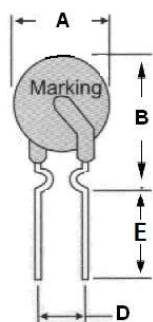


WAVE SOLDERING INFORMATION

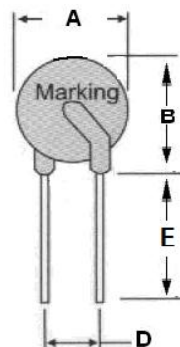
Pre-Heating Zone	Max. ramping rate should not exceed 4°C/Sec.
Soldering Zone	Max. solder temperature should not exceed 260°C
Cooling Zone	Cooling by natural convection in air.

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Physical Dimensions(mm.)



Pig.1



Pig.2

Unit : mm

Model	A	B	C	D	E	Lead
	Max.	Max.	Max.		Min.	Style
JK60-005	5.5	9.5	3.0	5.1±0.75	4.6	Kink
JK60-010	5.5	9.5	3.0	5.1±0.75	4.6	Kink
JK60-017	7.4	12.7	3.0	5.1±0.75	4.6	Kink
JK60-020	7.4	12.7	3.0	5.1±0.75	4.6	Kink
JK60-025	7.4	12.7	3.0	5.1±0.75	4.6	Kink
JK60-030	7.4	13.0	3.0	5.1±0.75	4.6	Kink
JK60-040	7.8	16.2	3.0	5.1±0.75	4.6	Kink
JK60-050	7.8	16.2	3.0	5.1±0.75	4.6	Kink
JK60-065	9.7	17.8	3.0	5.1±0.75	4.6	Kink
JK60-075	10.4	18.4	3.0	5.1±0.75	4.6	Kink
JK60-090	11.7	18.4	3.0	5.1±0.75	4.6	Kink
JK60-110	13.0	18.0	3.0	5.1±0.75	4.6	Straight
JK60-135	14.5	19.6	3.0	5.1±0.75	4.6	Straight
JK60-160	16.3	21.3	3.0	5.1±0.75	4.6	Straight
JK60-185	17.8	22.9	3.0	5.1±0.75	4.6	Straight
JK60-200	17.8	22.9	3.0	5.1±0.75	4.6	Straight
JK60-250	21.3	26.4	3.0	10.2±0.75	4.6	Straight
JK60-300	21.3	26.4	3.0	10.2±0.75	4.6	Straight
JK60-375	28.5	33.5	3.0	10.2±0.75	4.6	Straight
JK60-375	28.5	33.5	3.0	10.2±0.75	4.6	Straight
JK60-500	28.5	33.5	3.0	10.2±0.75	4.6	Straight

Note: Dimensions in the A, B, C are the maximum sizes, all typical values of D is at the tolerance of $\pm 0.75\text{mm}$.

I hold Versus Temperature

Model	Maximum ambient operating temperature (T_{mao}) vs. hold current (I_{hold})								
	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
JK60-010	0.16	0.14	0.12	0.10	0.08	0.07	0.06	0.05	0.04
JK60-017	0.26	0.23	0.20	0.17	0.14	0.12	0.11	0.09	0.07
JK60-020	0.31	0.27	0.24	0.20	0.16	0.14	0.13	0.11	0.08
JK60-025	0.39	0.34	0.30	0.25	0.20	0.18	0.16	0.14	0.10
JK60-030	0.47	0.41	0.36	0.30	0.24	0.22	0.19	0.16	0.12
JK60-040	0.62	0.54	0.48	0.40	0.32	0.29	0.25	0.22	0.16
JK60-050	0.78	0.68	0.60	0.50	0.41	0.36	0.32	0.27	0.20
JK60-065	1.01	0.88	0.77	0.65	0.53	0.47	0.41	0.35	0.26
JK60-075	1.16	1.02	0.89	0.75	0.61	0.54	0.47	0.41	0.30
JK60-090	1.40	1.22	1.07	0.90	0.73	0.65	0.57	0.49	0.36
JK60-110	1.71	1.50	1.31	1.10	0.89	0.79	0.69	0.59	0.44
JK60-135	2.09	1.84	1.61	1.35	1.09	0.97	0.85	0.73	0.54
JK60-160	2.48	2.18	1.90	1.60	1.30	1.15	1.01	0.86	0.64
JK60-185	2.87	2.52	2.20	1.85	1.50	1.33	1.17	1.00	0.74
JK60-250	3.88	3.40	2.98	2.50	2.03	1.80	1.58	1.35	1.00
JK60-300	4.65	4.08	3.57	3.00	2.43	2.16	1.89	1.62	1.20
JK60-375	5.81	5.10	4.46	3.75	3.04	2.70	2.36	2.03	1.50
JK60-500	6.65	6.10	5.46	5.00	4.24	3.80	3.16	2.83	2.20

PHYSICAL SPECIFICATIONS

Materials : JK60-005~050: 24 AWG/ $\Phi 0.5$.

JK60-065 ~ 075: 22 AWG/ $\Phi 0.5$.

JK60-090: 22 AWG/ $\Phi 0.8$.

JK60-110 ~ 500: 20 AWG/ $\Phi 0.8$.

Lead Solderability : MIL-STD-202, Method 208E

Packaging Quantity

JK60-005~JK60-110 1000pcs/pag or 2000pcs/pag

JK60-135~JK60-200 500pcs/pag

JK60-250~JK60-500 200pcs/pag

Tape & Reel packaging per EIA468-B standard.

Cross Reference

JKSEMI	Cross Reference			
	Tyco / Raychem	Bourns / Multifuse®	Polytronics / EVERFUSE®	SEA-LAND
JK60-010	RXEF010	MF-R010	RLD60P010UF	R60-010
JK60-017	RXEF017	MF-R017	RLD60P017UF	R60-017
JK60-020	RXEF020	MF-R020	RLD60P020UF	R60-020
JK60-025	RXEF025	MF-R025	RLD60P025UF	R60-025
JK60-030	RXEF030	MF-R030	RLD60P030UF	R60-030
JK60-040	RXEF040	MF-R040	RLD60P040UF	R60-040
JK60-050	RXEF050	MF-R050	RLD60P050UF	R60-050
JK60-065	RXEF065	MF-R065	RLD60P065UF	R60-065
JK60-075	RXEF075	MF-R075	RLD60P075UF	R60-075
JK60-090	RXEF090	MF-R090	RLD60P090UF	R60-090
JK60-110	RXEF110	MF-RX110	RLD60P110UF	R60-110
JK60-135	RXEF135	MF-RX135	RLD60P135UF	R60-135
JK60-160	RXEF160	MF-RX160	RLD60P160UF	R60-160
JK60-185	RXEF185	MF-RX185	RLD60P185UF	R60-185
JK60-250	RXEF250	MF-RX250	RLD60P250UF	R60-250
JK60-300	RXEF300	MF-RX300	RLD60P300UF	R60-300
JK60-375	RXEF375	MF-RX375	RLD60P375UF	R60-375
JK60-400	RXEF400	MF-RX400	RLD60P400UF	R60-400
JK60-500	RXEF500	MF-RX500	RLD60P500UF	R60-500

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“SEA-LAND” is a registered trademark of Sea-Land electronic corp.

使用注意事项

最高环境温度不得超过40℃，储存温度高于40℃可能导致包装材料变形，推荐用于储存的最大相对湿度为60%。高温高湿可加速镀锡层的氧化引线 and 降低元件的可焊性。密封塑料袋和干燥剂应用于减少引线的氧化，并且只能在使用前打开。产品不得存放在含有酸或碱的有害气体或存在其他有害物质。密封状态可储存1年，超期建议返回我司检测。

PPTC器件仅用于防止偶尔的过电流或过温故障条件，并且在预计出现重复故障条件时不应使用。

超出最大值的不当使用操作可能导致设备损坏和可能出现电弧和火焰。

PPTC用于防止偶然的过电流或过热故障条件，并且不应在重复故障条件或长时间跳闸事件时使用。

如果器件的处理方式与电子元器件推荐的电子、热学和机械程序不一样，器件性能可能会受到负面影响。

使用电流中具有大电感的PPTC会产生高于PPTC额定电压的电路电压。

避免影响PPTC设备的热膨胀，如压力下或安装在有限的空间内。

使用某些硅基油或某些侵蚀性溶剂污染PPTC材料可能会对设备的性能产生不利影响。可以使用标准方法清洁PPTC

注意：

该规范旨在提出产品应用和技术数据，以帮助用户在生产电路设备选择PPTC。但是用户应对各产品的适用性进行独立评估和测试。金开盛就信息的正确性或完整性做出保证。金开盛唯一的义务是金开盛销售的产品符合标准条件，金开盛不会因销售，转售或误用造成的任何偶然、即期或间接损失承担责任。金开盛保留更改本规范中包含的任何产品信息权利，恕不另行通知。