Features	Applications
● Extremely small size ● Extremely fast response time ● Eexcllent SMD handing ● Stable performance over life ● Very low capacitance ● High insulation resistance ● Storage and operating temperature -40…+125°C ● RoHS-compatible ● UL-identification,	● Splitter ● PCI Cards ● Morden ● Line cards

Electrical specifications

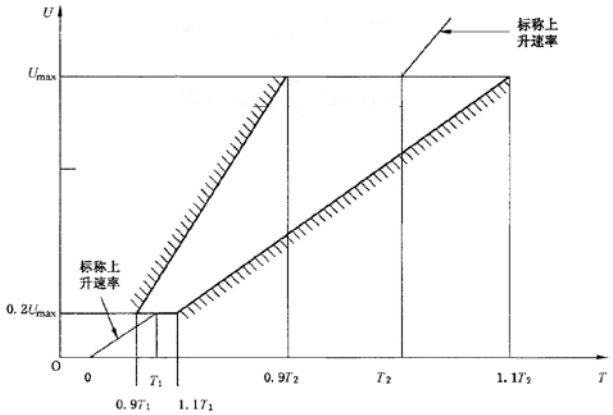
Part Number	Impulse spark-over Voltage	Max. Impulse Breakdown Voltage	Discharge Current (8/20us)	AC discharge Current	Impulse Life (10/1000us)	Minimum Insulation Resistance		Max. Capacitance 1MHz
	100V/S	1KV/us	10 times	50Hz,1S	200A			
	%	V	KA	A	Times	Test Voltage DC(V)	(GΩ)	(Pf)
DIP								
JX3R075	±30	600	20	20	100	50	1	1
JX3R090	±30	600	20	20	100	50	1	1
JX3R150	±20	650	20	20	100	100	1	1
JX3R230	±20	700	20	20	100	100	1	1
JX3R350	±20	750	20	20	100	100	1	1
JX3R420	±20	900	20	20	100	100	1	1
JX3R470	±20	1000	20	20	100	100	1	1
JX3R600	±20	1100	20	20	100	100	1	1
Glow Voltage at 10mA..... ~60V								
Arc Voltage at 1A..... ~10V								
Glow to Arc transition Current..... ~0.3A								

Part Number Code

J	X	3	R	1	5	0	L
JuXing		3R series		DC Voltage			L
							8*10

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DC breakdown voltage



8/20us, Test wave

T1=1.25T=8us±20%

T2=20us±20%

10/700us,Test Wave

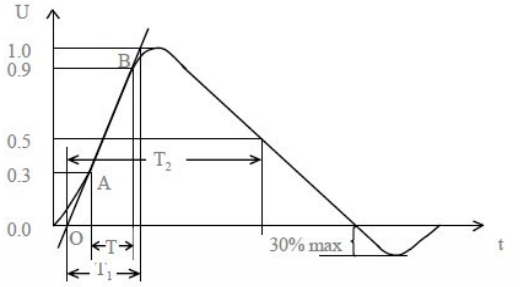
T1=1.67T=10us±20%

T2=700us±20%

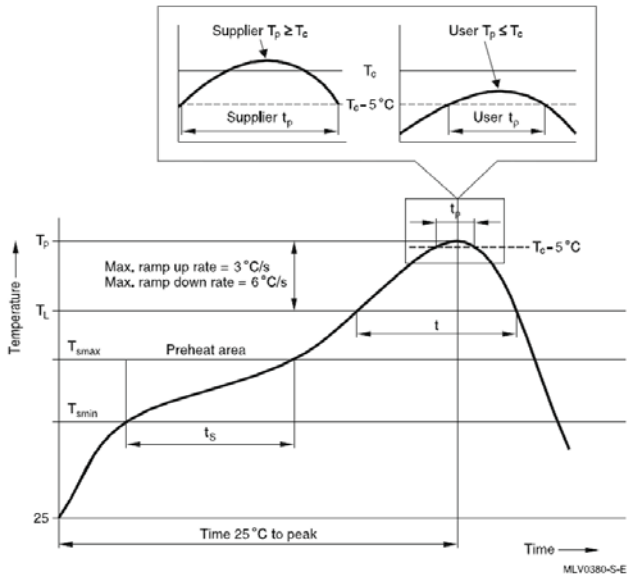
10/1000us,Test Wave

T1=1.67T=10us±20%

T2=1000us±20%



Recommended wave slodering profile



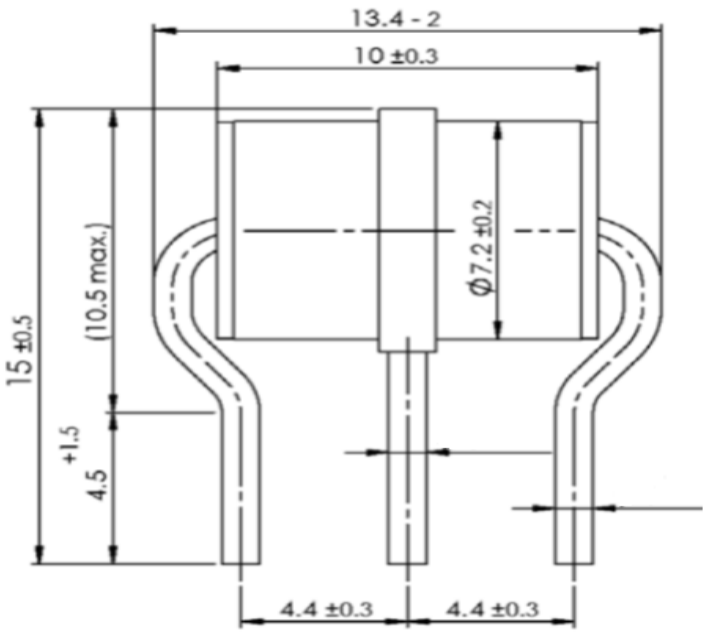
Reflow profile features		Sn- Pb eutectic assembly	Pb-free assembly
Preheat and soak - Temperature min - Temperature max - Time	 T_{smin} T_{smax} t_{smin} to t_{smax}	 100 °C 150 °C 60 ... 120 s	 150 °C 200 °C 60 ... 180 s
Average ramp-up rate	T_{smax} to T_p	max. 3 °C/ s	max. 3 °C/ s
Liquidous temperature Time at liquidous	T_L t_L	183 °C 60 ... 150 s	217 °C 60 ... 150 s
Peak package body temperature *, Classification temperature **	T_p, T_C	220 ... 235 °C **	245 ... 260 °C **
Time (t_p) ** within 5 °C of the specified classification temperature (T_C)		20 s ***	30 s ***
Average ramp-down rate	T_p to T_{smax}	max. 6 °C/ s	max. 6 °C/ s
Time 25 °C to peak temperature		max. 6 min	max. 8 min

* = Tolerance for peak profile temperature (T_p) is defined as a supplier minimum and a user maximum.
** = For details please refer to JEDEC J-STD-020D.
*** = Tolerance for time at peak profile temperature (t_p) is defined as a supplier minimum and a user maximum.

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1) Sampling size in accordance to AQL(C=0)
2) DC spark-over voltage ±30% after load
3) Tests according to ITU-T Rec. K. 12 and IEC61643-1

Dimensions



Wire tin-plated Dimension in mm

Cautions and warnings

- Surge arresters must not be operated directly in power supply networks
- Surge arresters may become hot in case of longer periods of current stress (danger of burning).
- If the contacts of the surge arrester are defective, current stress can lead to the formation of sparks and loud noises.
- Surge arresters may be used only within their specified values. In case of overload, the head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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