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

Electrical specifications

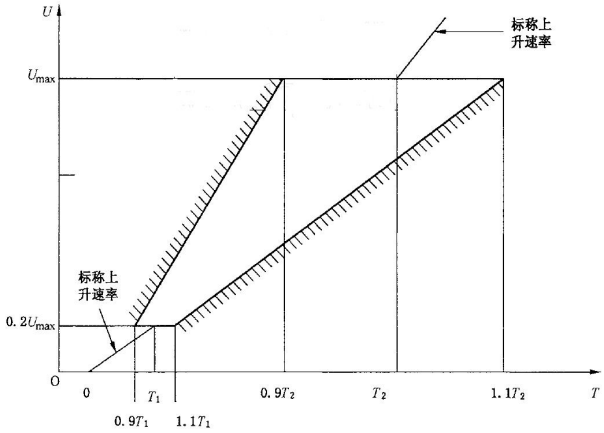
Part Number	Impulse spark-over Voltage	Max. Impulse Breakdown Voltage	Discharge Current (8/20us)	AC discharge Current	Impulse Life (10/1000us)	Minimum Insulation Resistance		Max. Capacitance 1MHz
	100V/S	1KV/us	10 times	50Hz,1S	10A			
	%	V	KA	A	Times	Test Voltage DC(V)	(GΩ)	(Pf)
JX2R75PM/PL	±30	600	10	10	100	50	1	1
JX2R90PM/PL	±30	600	10	10	100	50	1	1
JX2R150PM/PL	±20	600	10	10	100	100	1	1
JX2R230PM/PL	±20	800	10	10	100	100	1	1
JX2R300PM/PL	±20	850	10	10	100	100	1	1
JX2R350PM/PL	±20	950	10	10	100	100	1	1
JX2R400PM/PL	±20	1000	10	10	100	100	1	1
JX2R470PM/PL	±20	1100	10	10	100	100	1	1
JX2R600PM/PL	±20	1200	10	10	100	100	1	1
JX2R800PM/PL	±20	1500	10	10	100	100	1	1

Part Number Code

	2	R	1	5	0	PM/PL
JuXing	2R series		DC Voltage			P:8*6
						M:SMD
						L:With lead

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广东钜兴电子科技有限公司
GUANGDONG JUXING ELECTRONICE TECHNOLOGY., LTD

DC breakdown voltage



8/20us, Test wave

T1=1.25T=8us±20%

T2=20us±20%

10/700us,Test Wave

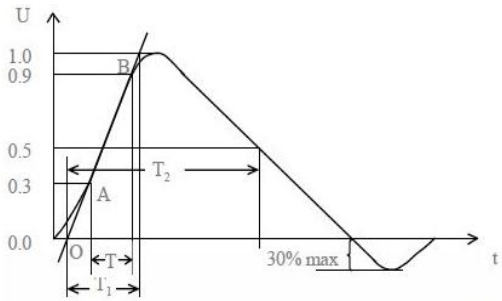
T1=1.67T=10us±20%

T2=700us±20%

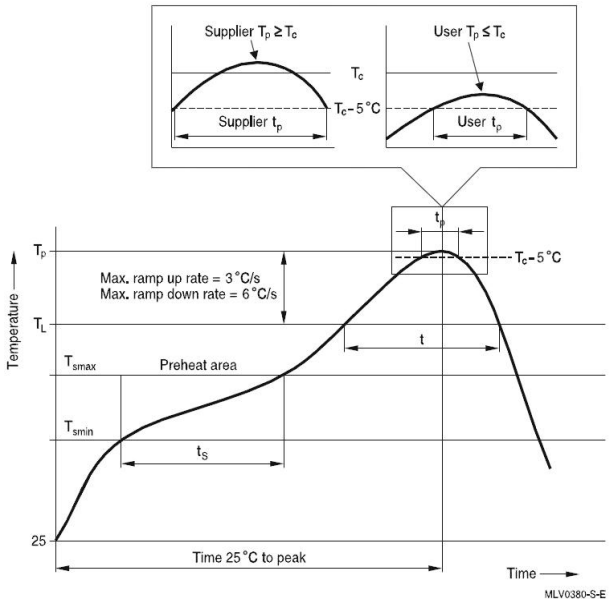
10/1000us,Test Wave

T1=1.67T=10us±20%

T2=1000us±20%



Recommended wave slodering profile

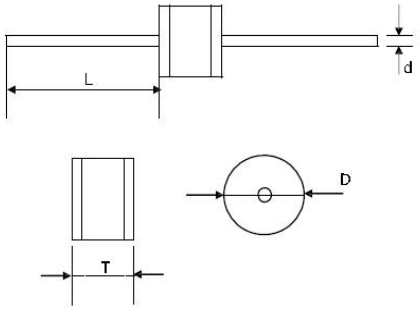


Reflow profile features		Sn- Pb eutectic assembly	Pb-free assembly
Preheat and soak - Temperature min - Temperature max - Time	 T_{smin} T_{smax} t_{smin} to t_{smax}	 100 °C 150 °C 60 ... 120 s	 150 °C 200 °C 60 ... 180 s
Average ramp-up rate	T_{smax} to T_p	max. 3 °C/ s	max. 3 °C/ s
Liquidous temperature 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.

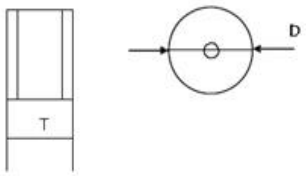
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1) Sampling size in accordance to AQL(C=0)
2) DC spark-over voltage ±30% after load
3) Tests according to ITU-T Rec. K. 12 and IEC61643-1



Unit:mm

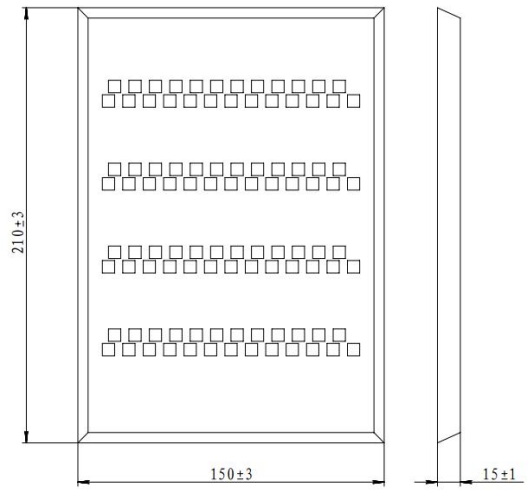
item	dimensions	
	spec.	Tolerance
D	8	±0.2
T	6	±0.2
L	25	Min
d	0.8	±0.1



Unit:mm

item	dimensions	
	spec.	Tolerance
D	8	±0.2
T	6	±0.2

Packaging



100PCS/Box

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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