Features	Applications
● Extremely small size	● Splitter
● Extremely fast response time	● PCI Cards
● Eexcllent SMD handing	● Morden
● Stable performance over life	● Line cards
● Very low capacitance	
● 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	200A			
	%	V	KA	A	Times	Test Voltage DC(V)	(GΩ)	(Pf)
JX3R075	±30	600	5	5	100	50	1	1
JX3R090	±30	600	5	5	100	50	1	1
JX3R150	±20	650	5	5	100	100	1	1
JX3R230	±20	700	5	5	100	100	1	1
JX3R350	±20	750	5	5	100	100	1	1
JX3R420	±20	900	5	5	100	100	1	1
JX3R470	±20	1000	5	5	100	100	1	1
JX3R600	±20	1100	5	5	100	100	1	1

Glow Voltage at 10mA..... ~60V

Arc Voltage at 1A..... ~10V

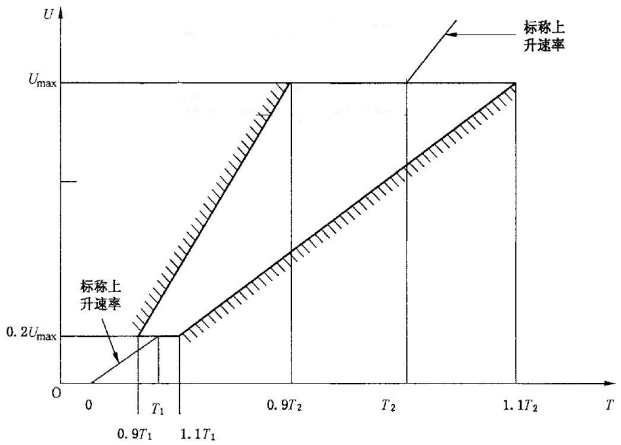
Glow to Arc transition Current..... ~0.3A

Part Number Code

	3	R	1	5	0	F
JuXing	3R series		DC Voltage			F
						5*7.6

http://www.trr-jx.com
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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

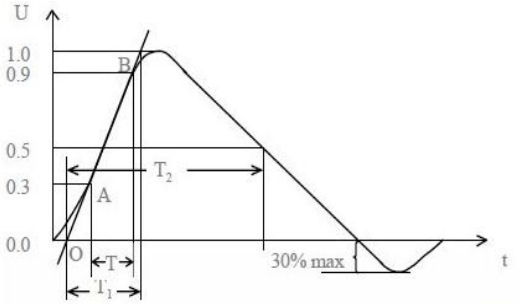
T1=1.67T=10us±20%

T2=700us±20%

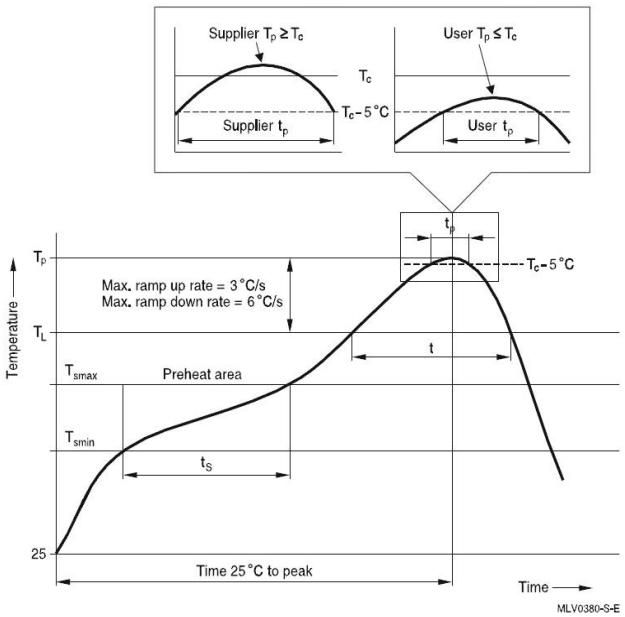
10/1000us,Test Wave

T1=1.67T=10us±20%

T2=1000us±20%



Recommended wave slodering profile



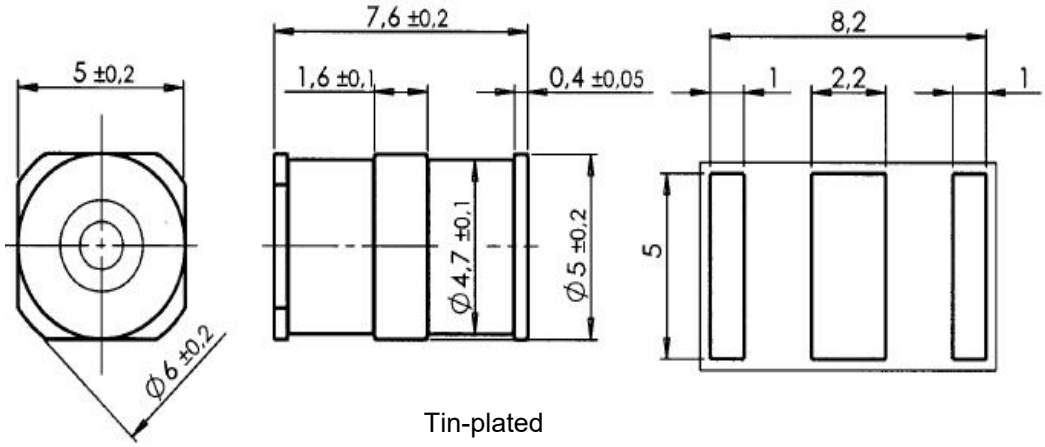
Reflow profile features		Sn- Pb eutectic assembly	Pb-free assembly
Preheat and soak - Temperature min - Temperature max - Time	 T_{smin} T_{smax} t_{smin} to t_{smax}	 100 °C 150 °C 60 ... 120 s	 150 °C 200 °C 60 ... 180 s
Average ramp-up rate	T_{smax} to T_p	max. 3 °C/ s	max. 3 °C/ s
Liquidous temperature 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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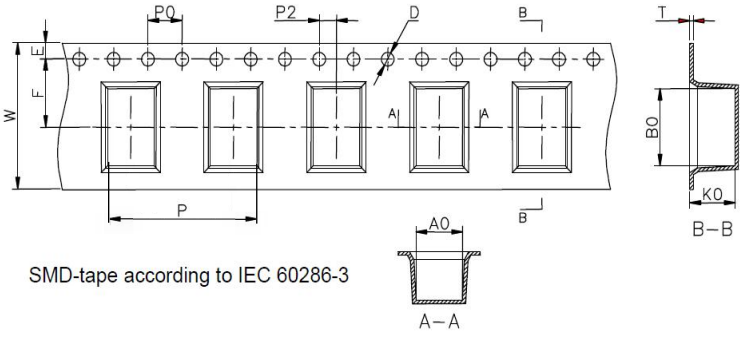
1) Sampling size in accordance to AQL(C=0)
2) DC spark-over voltage ±30% after load
3) Tests according to ITU-T Rec. K. 12 and IEC61643-1

Dimensions

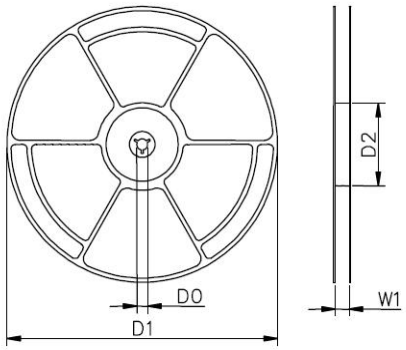


Tin-plated

Packaging



SMD-tape according to IEC 60286-3



Symbol	Millimeters	Inches
W	16±0.3	0.630±0.012
A0	5.4±0.1	0.213±0.004
B0	8.4±0.1	0.331±0.004
K0	5.3±0.1	0.209±0.004
P	12±0.3	0.472±0.012
F	7.5±0.1	0.295±0.004
E	1.75±0.1	0.069±0.004
D	1.5+0.1/-0.0	0.059+0.004/-0.0
P0	4±0.1	0.157±0.004
P2	2±0.1	0.079±0.004
T	0.4±0.1	0.016±0.004
D0	13.3±0.15	0.524±0.006
D1	330±2	12.992±0.079
D2	100+1/-2	3.937+0.039/-0.079
W1	16.5±0.4	0.65±0.016

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