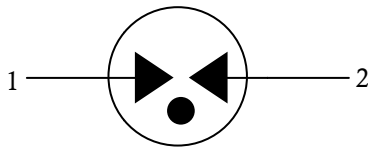




Features	Applications
<ul style="list-style-type: none"> ● Extremely small size ● Extremely fast response time ● Stable performance over life ● Very low capacitance ● High insulation resistance ● RoHS-compatible 	<ul style="list-style-type: none"> ● Line Cards ● PCI Cards ● Modem ● Splitter

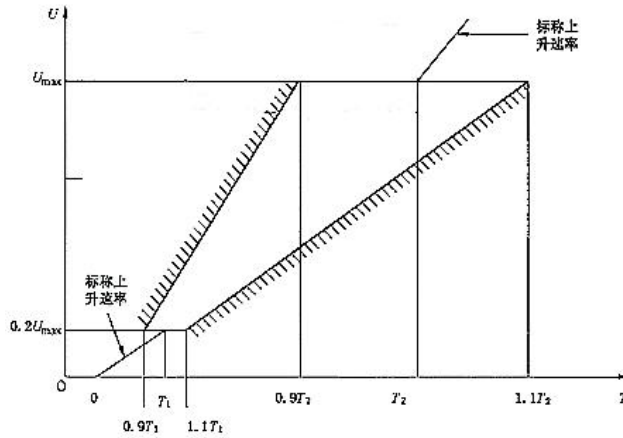
Schematic Symbol



Electrical specifications

DC breakdown voltage ¹⁾²⁾	90	V
Tolerance	±30	%
Impulse breakdown voltage		
at 1kv/μs –For 99% measure values	≤600	V
Service life		
10 operations 10/700us	4	KV
10 operations 8/20us	2	KA
Insulation resistance at DC 50V	≥1	GΩ
Capacitance at 1MHz	≤1.0	pF
Weight	~0.2	g
Storage and operations temperature	-40...+90	°C
Climatic category (IEC60068-1)	40/125/21	
Marking,Blue positive	Without	

DC breakdown voltage



8/20us, Test wave

$T1=1.25T=8\mu s \pm 20\%$

$T2=20\mu s \pm 20\%$

10/700us, Test Wave

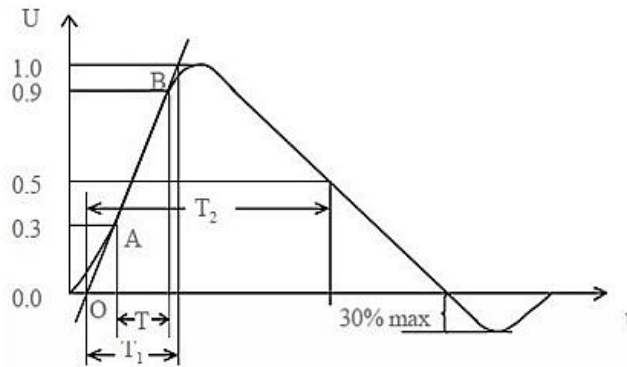
$T1=1.67T=10\mu s \pm 20\%$

$T2=700\mu s \pm 20\%$

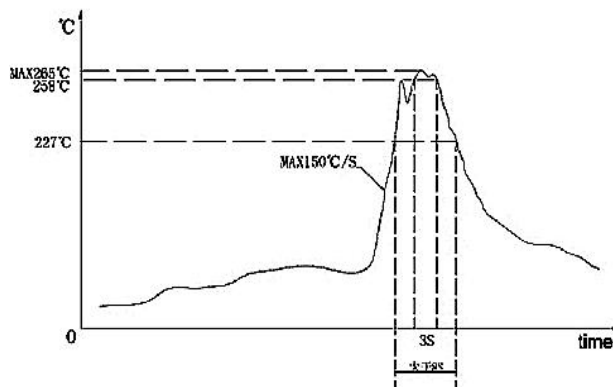
10/1000us, Test Wave

$T1=1.67T=10\mu s \pm 20\%$

$T2=1000\mu s \pm 20\%$

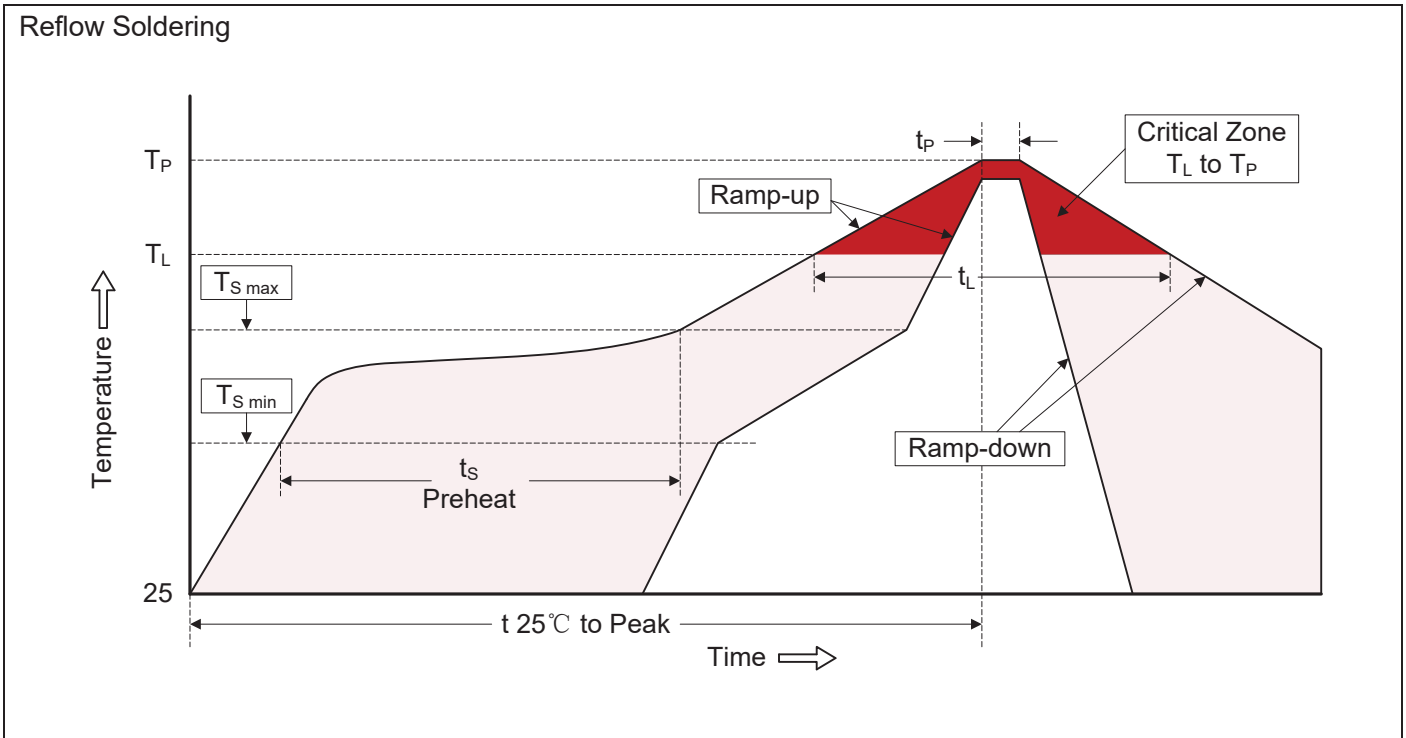


Recommended wave soldering profile





Recommended Soldering Conditions



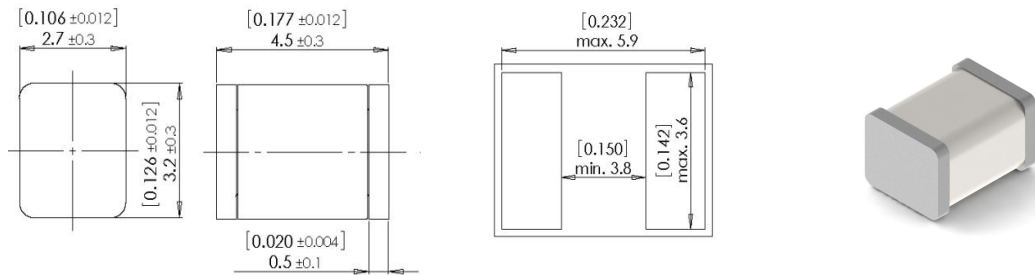
Recommended Conditions

Profile Feature	Pb-Free Assembly
Average ramp-up rate (T_L to T_P)	3°C/second max.
Preheat -Temperature Min ($T_{S\ min}$) -Temperature Max ($T_{S\ max}$) -Time (min to max) (t_s)	150°C 200°C 60-180 seconds
$T_{S\ max}$ to T_L -Ramp-up Rate	3°C/second max.
Time maintained above: -Temperature (T_L) -Time (t_L)	217°C 60-150 seconds
Peak Temperature (T_P)	260°C
Time within 5°C of actual Peak Temperature (t_p)	20-40 seconds
Ramp-down Rate	6°C/second max.
Time 25°C to Peak Temperature	8 minutes max.

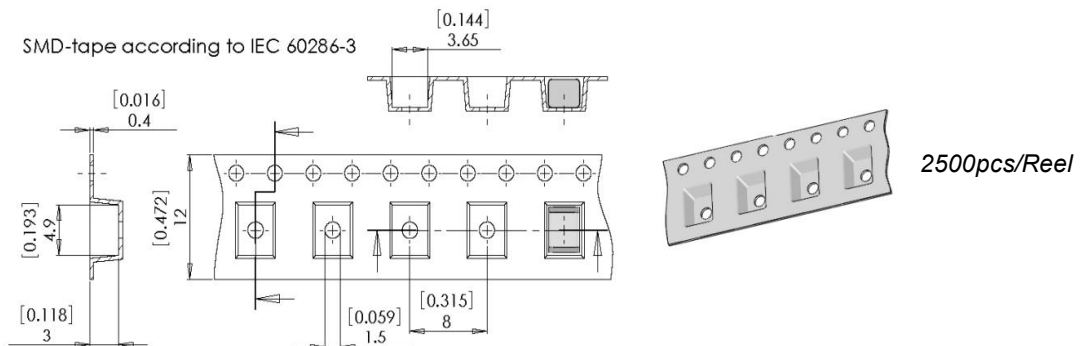


- 1) Sampling size in accordance to AQL(C=0)
- 2) In ionized mode
- 3) Tests according to ITU-T Rec. K. 12 IEC61663-2 and IEC61643-311

Dimensions



Packing



Cautions and warnings

- Surge arresters must not be operated directly in power supply networks, whose maximum operating voltage exceeds the minimum spark-over voltage of the surge arresters.
- 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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