

Surge arrester

2-Electrode arrester

Series/Type: DG2R090L

Customer:

Version/Date: Issue 03/2015-07-19

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Surge arrester

2-Electrode arrester

DG2R090L

Features	Applications		
Extremely small size	 Splitter 		
Extremely fast response time	PCI Cards		
Eexcllent SMD handing	Morden		
Stable performance over life Line			
Very low capacitance			
High insulation resistance			
RoHS-compatible			
UL-identification, No:E311500			
Electrical specifications			
DC breakdown voltage ²⁾³⁾		90	V
——Circuit current less than 2mA		±25	%
Impulse breakdown voltage 1)			
at 1kv/us -Typical values of distribution		≪600	V
Insulation resistance at DC 100V		≥1	GΩ
Capacitance at 1MHz ²⁾		≤1	Pf
Service life ²⁾			
10 operations 8/2	20us	10	KA
1 operation 10/3	350us	2.5	KA
10 operations 50I	Hz,1S	10	A
1 operation 50H	Iz,9 cycles	100	A
500 operations 10/	1000us	100	А
Weight		1	g
Storage and operations temperature		-40+90	°C
Climatic category (GB/T 9043, IEC61643-1)		40/90/21	
Marking,Blue positive		DG2R090L	



Tel: +86-510-81707285 Fax: +86-510-81707277 www.jsdgme.com

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Please read Cautions and warnings and important notes at the end of this document.

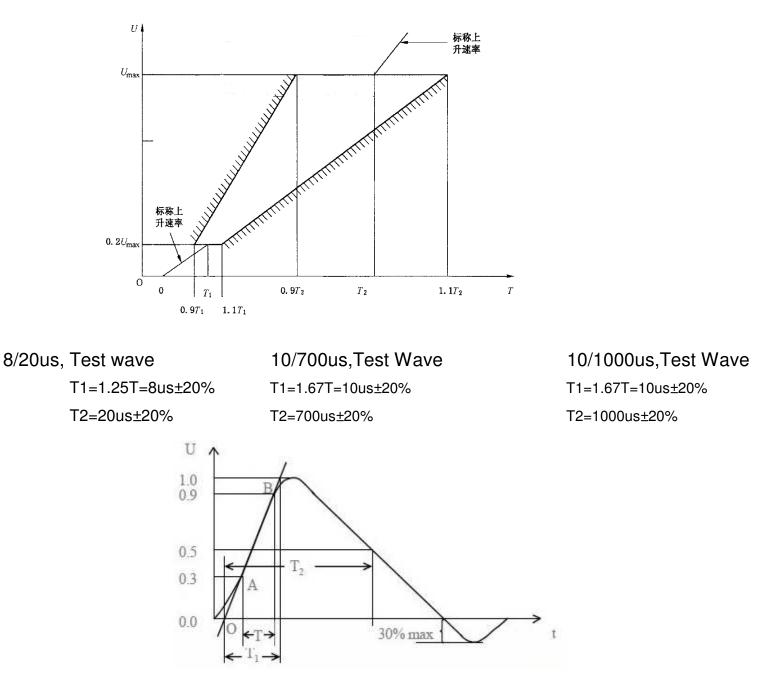
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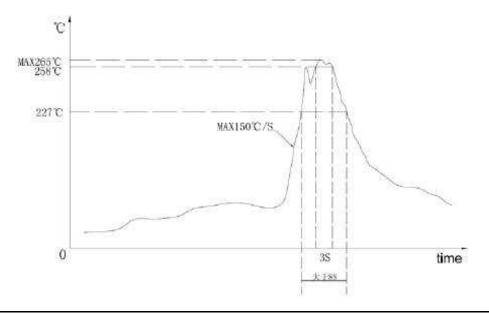
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DC breakdown voltage



Recommended wave slodering profile



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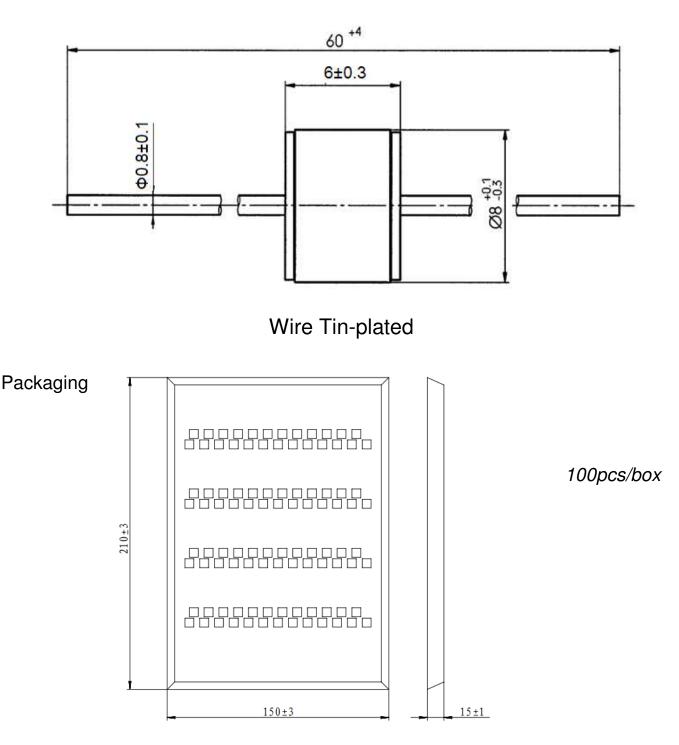
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- 1) Sampling size in accordance to AQL(C=0)
- 2) DC spark-over voltage ±30% after load
- 3) Tests according to ITU-T Rec. K. 12 and IEC61643-1

Dimensions



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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