

## Surge arrester

2-Electrode arrester

Series/Type: DG2R090M

Customer:

Version/Date: Issue 01/2014-8-9

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# Surge arrester

## 2-Electrode arrester

## DG2R090M

Features	Applications		
Extremely small size	<ul> <li>Splitter</li> </ul>		
Extremely fast response time	PCI Cards		
Eexcllent SMD handing	Morden		
Stable performance over life	• Line cards		
Very low capacitance			
High insulation resistance			
RoHS-compatible			
UL-identification, No:E311500			
Electrical specifications			
DC breakdown voltage <sup>2) 3)</sup>		90	V
——Circuit current less than 2mA		±20	%
Impulse breakdown voltage <sup>1)</sup>			
at 1kv/us -Typical values of distribution		≪600	V
Insulation resistance at DC 50V		≥1	GΩ
Capacitance at 1MHz <sup>2)</sup>		≪0.8	Pf
Service life <sup>2)</sup>			
10 operations 8/20	JS	5	KA
10 operations 50Hz		5	А
Weight		~1	g
Storage and operations temperature		-40+90	°C
Climatic category (GB/T 9043, IEC61643-1)		40/90/21	
Marking,Red positive		Without	



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

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

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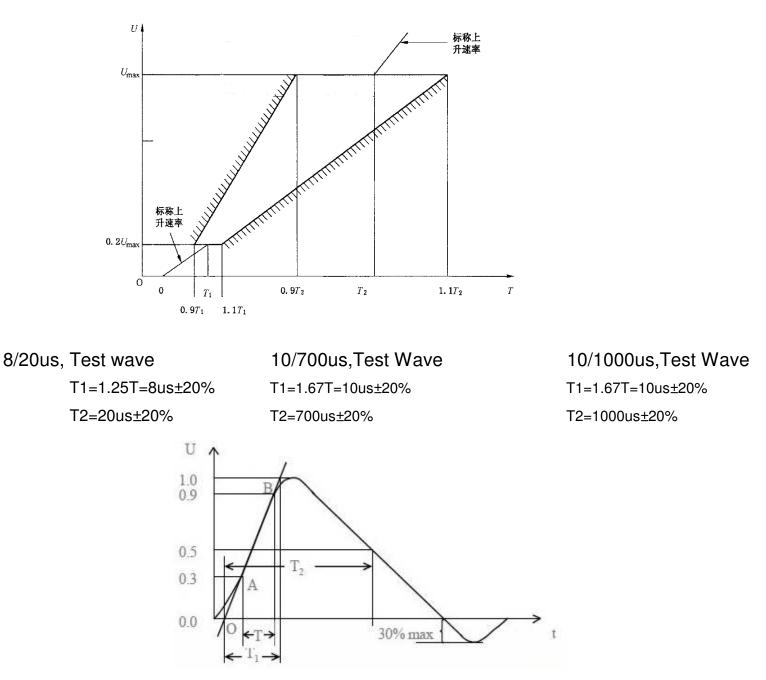
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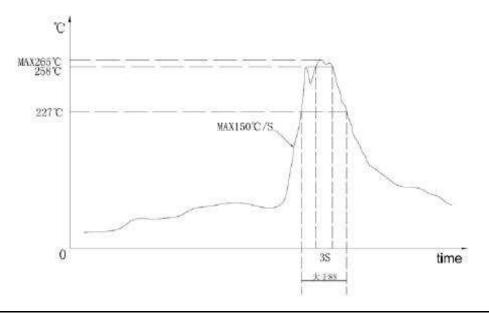
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## DC breakdown voltage



## Recommended wave slodering profile



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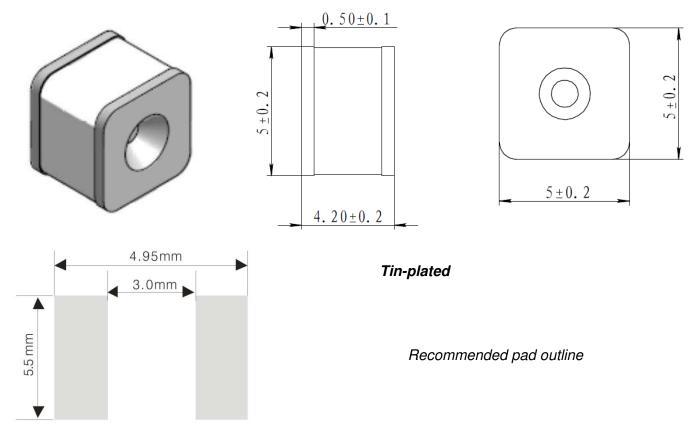


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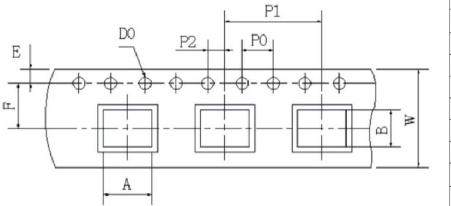
- 1) Sampling size in accordance to AQL(C=0)
- 2) DC spark-over voltage ±30% after load
- 3) Tests according to ITU-T Rec. K. 12 and IEC61643-1

Dimensions





1000pcs/one reel



Item	DIM (mm)		
A	$5.3 \pm 0.10$		
В	$4.5 \pm 0.20$		
D 0	φ1.50±0.10		
Е	$1.75 \pm 0.10$		
F	$5.5 \pm 0.1$		
P 0	$4.0 \pm 0.1$		
P 1	$8.0 \pm 0.10$		
P 2	$2.0 \pm 0.1$		
W	$12.0 \pm 0.30$		

## 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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