

Surge arrester

2-Electrode arrester

Series/Type: DG2R090L

Customer:

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



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 cards		
 Very low capacitance 			
 High insulation resistance 			
 RoHS-compatible 			
UL-identification, No:E311500			
Electrical specifications		T	
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	Α
1 operation 50H	Hz,9 cycles	100	Α
500 operations 10/	1000us	100	A
Weight		1	g
Storage and operations temperature		-40+90	°C
Climatic category (GB/T 9043, IEC61643-1)		40/90/21	
Marking,Blue positive		DG2R090L	





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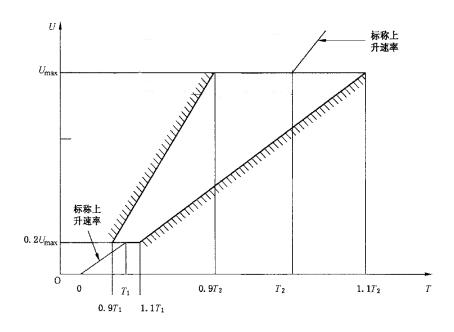
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DC breakdown voltage



8/20us, Test wave

T1=1.25T=8us±20%

T2=20us±20%

10/700us, Test Wave

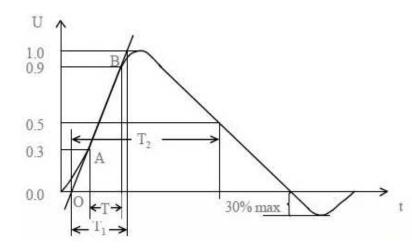
T1=1.67T=10us±20%

T2=700us±20%

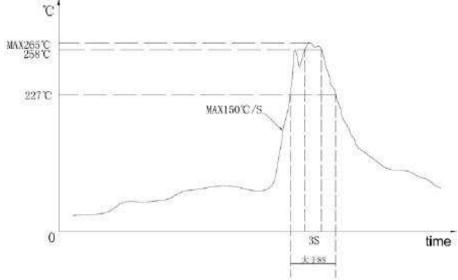
10/1000us,Test Wave

T1=1.67T=10us±20%

T2=1000us±20%



Recommended wave slodering profile



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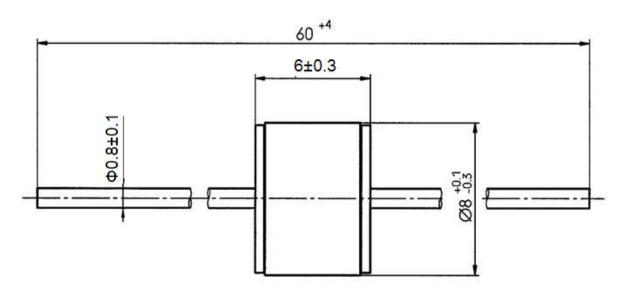


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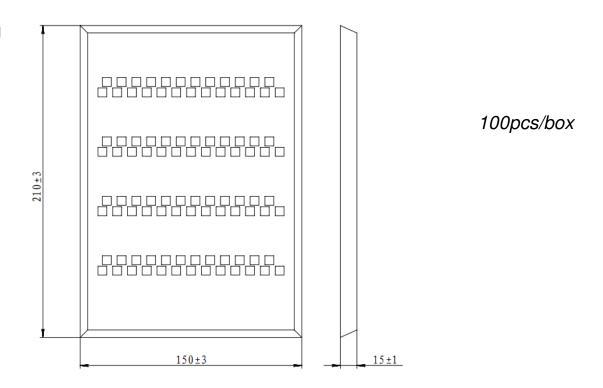
- 1) Sampling size in accordance to AQL(C=0)
- 2) DC spark-over voltage ±30% after load
- 3) Tests according to ITU-T Rec. K. 12 and IEC61643-1

Dimensions



Wire Tin-plated

Packaging



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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