Surge arrester

2-Electrode arrester

Series/Type: **DG401A**

Customer:

Version/Date: **Issue 01/2015-09-15**

江苏东晨
Dongchen Electronics

Surge arrester

2-Electrode arrester DG401A

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

DC breakdown voltage [2) 3)]	400	V
——*Circuit current less than 2mA*	±30	%
Impulse breakdown voltage [1)]		
at 1kv/us -Typical values of distribution	⩽1100	V
Insulation resistance at DC 100V	⩾1	GΩ
Capacitance at 1MHz [2)]	⩽0.8	Pf
Service life [2)]		
10 operations 8/20us	0.5	KA
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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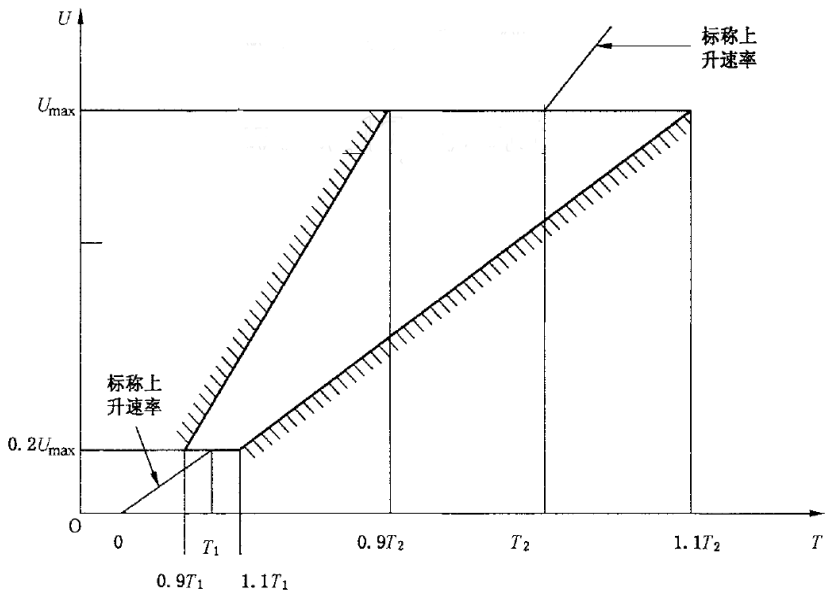
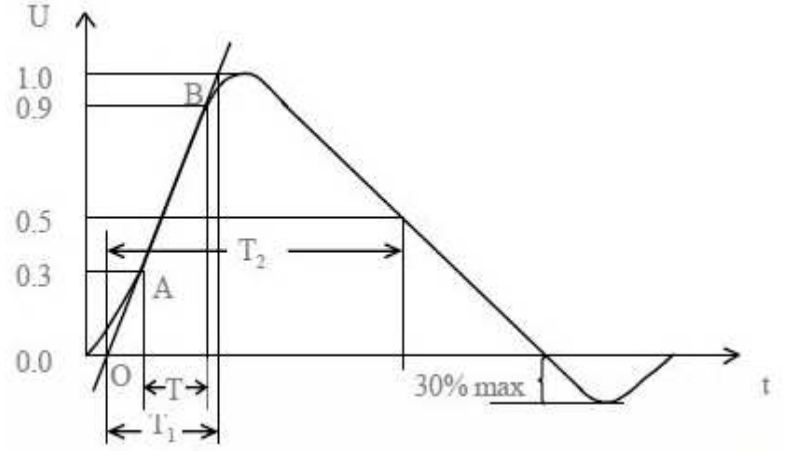
DC breakdown voltage



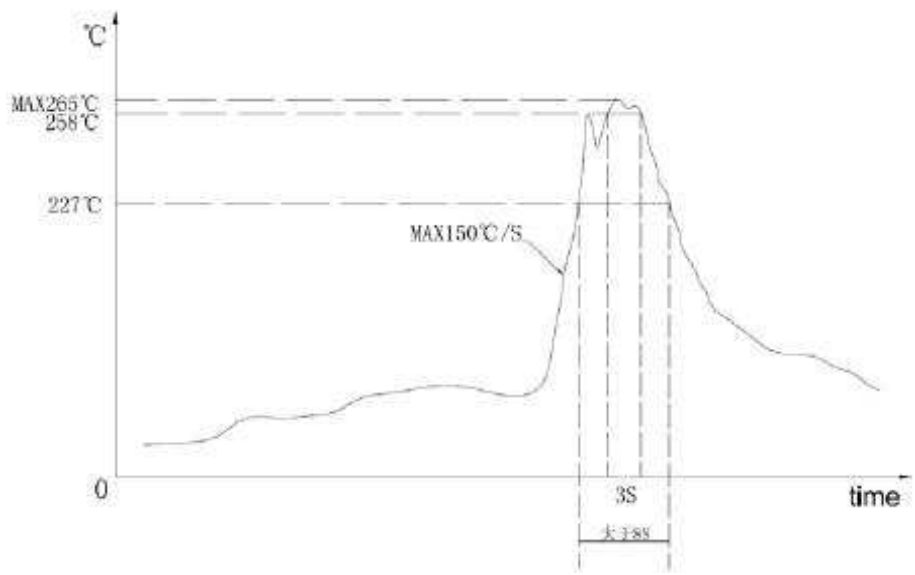
8/20us, Test wave
T1=1.25T=8us±20%
T2=20us±20%

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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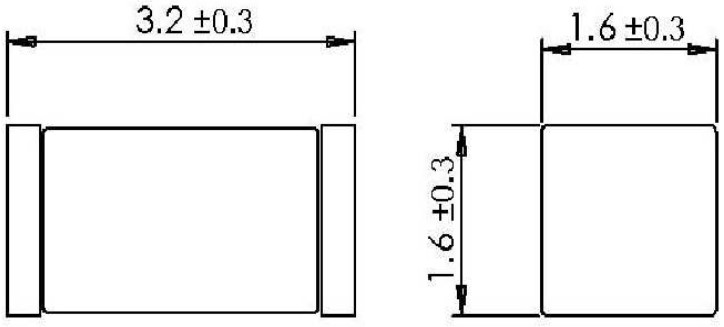
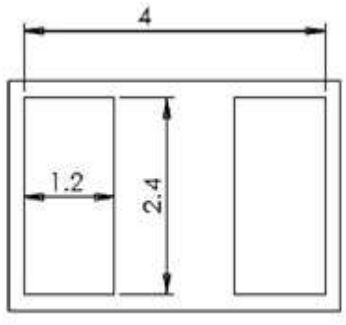
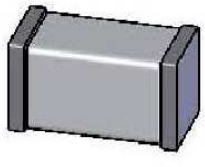
1) Sampling size in accordance to AQL(C=0)
2) DC spark-over breakdown voltage 1kv/us ≤950V after load
3) Tests according to ITU-T Rec. K. 12 and IEC61643-1

Dimensions





Recommended pad outline

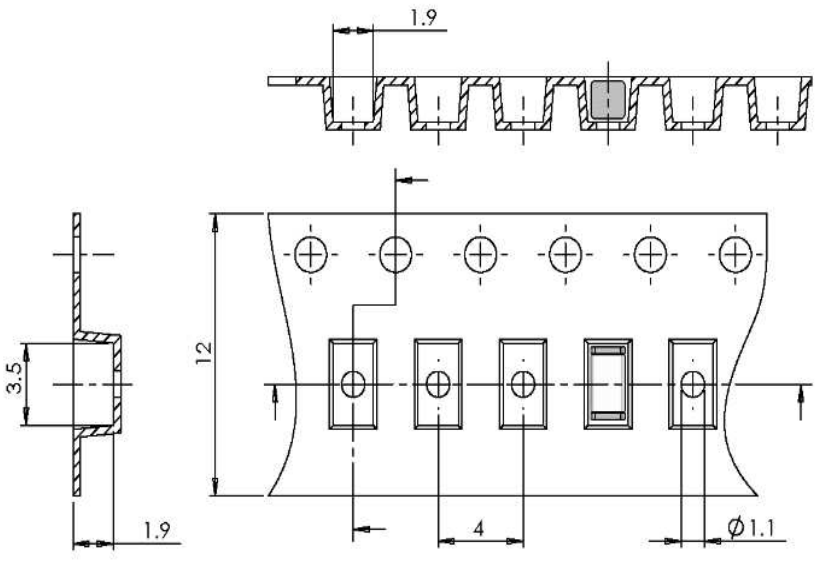


Tin-plated

Dimensions in mm

Packaging

One reel with 3000pcs



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.