江苏东晨
Dongchen Electronics

Surge arrester

2-Electrode arrester

Series/Type: **DG2R3000L**

Customer:

Version/Date: **Issue 01/2017-10-19**

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Features	Applications
● Extremely small size ● Extremely fast response time ● Stable performance over life ● Very low capacitance ● High insulation resistance ● RoHS-compatible	● **Consumer electronics** ● **AC Power line devices** ● **Power supplier**

Electrical specifications

DC breakdown voltage [1)2)]		3000	V
Tolerance		±20	%
Min.		2400	V
Max.		3600	V
Impulse breakdown voltage			
	- For 99% measure values	≤4200	V
at 1kv/us	–Typical values of distribution	≤4000	V
Service life			
10 operations	50Hz,1S	5	A
10 operations	8/20us	5	KA
Insulation resistance at DC 100V		≥1	GΩ
Capacitance at 1MHz		≤1.5	pF
AC withstand voltage			
1 S		1500	V
Weight		1.5	g
Storage and operations temperature		-40…+90	°C
Climatic category（IEC60068-1)		40/90/21	
Marking,Blue positive		**DG2R3000L**	

Tel: +86-510-81707285
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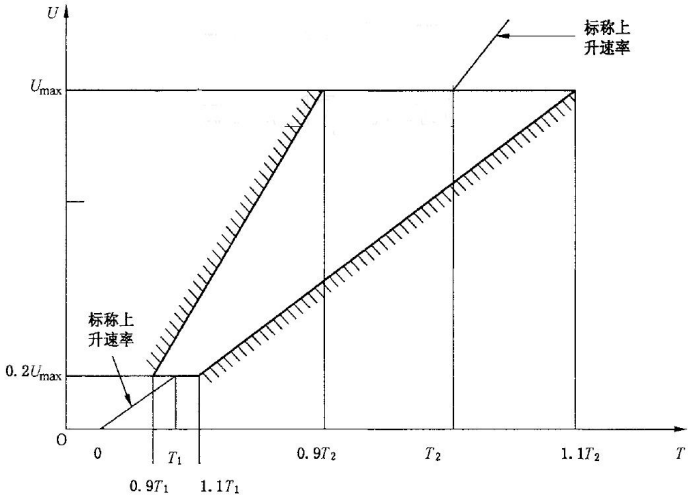
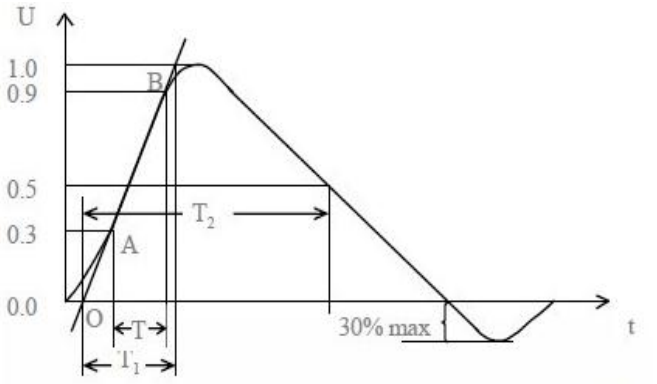
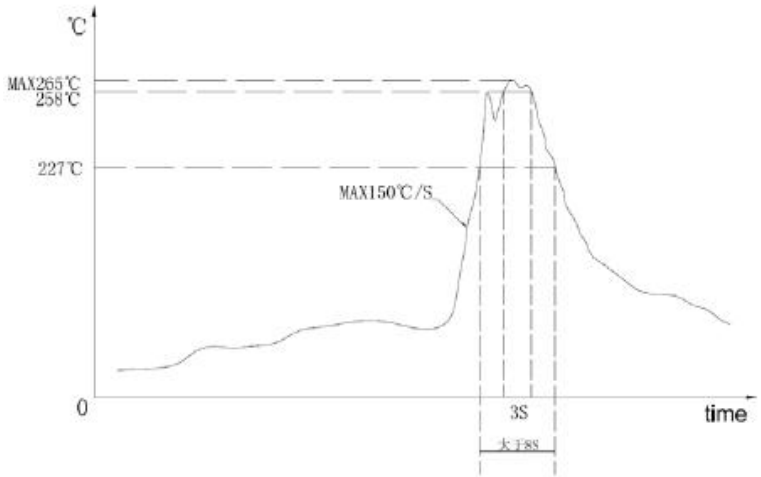
DC breakdown voltage



8/20us, Test wave	10/700us,Test Wave	10/1000us,Test Wave
T1=1.25T=8us±20%	T1=1.67T=10us±20%	T1=1.67T=10us±20%
T2=20us±20%	T2=700us±20%	T2=1000us±20%



Recommended wave slodering profile



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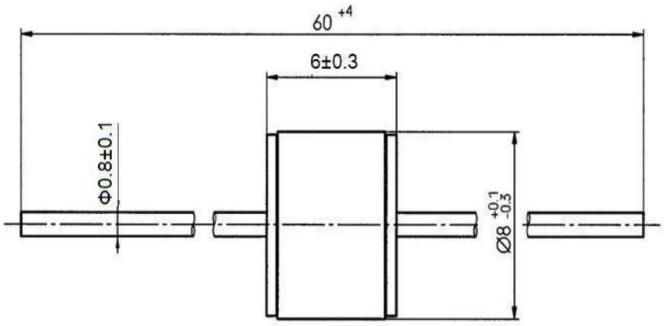
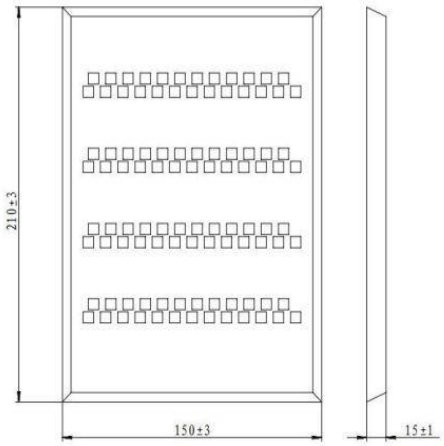
1) Sampling size in accordance to AQL(C=0)
2) In ionized mode
3) Tests according to ITU-T Rec. K. 12 IEC61663-2 and IEC61643-311

Dimensions



Wire Tin-plated

Packaging



100pcs/box

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 lo
- 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.