

## **Surge arrester**

2-Electrode arrester

**Series/Type: DG2R470L**

**Customer:**

**Version/Date: Issue 01/2014-5-20**

**Surge arrester**

**2-Electrode arrester**

**DG2R470L**

Features	Applications
<ul style="list-style-type: none"> <li>● Extremely small size</li> <li>● Extremely fast response time</li> <li>● Stable performance over life</li> <li>● Very low capacitance</li> <li>● High insulation resistance</li> <li>● RoHS-compatible</li> <li>● UL Certification :E311500</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Splitter</b></li> <li>● <b>PCI Cards</b></li> <li>● <b>Morden</b></li> <li>● Line Cards</li> </ul>

**Electrical specifications**

DC breakdown voltage <sup>1)2)</sup>	470	V
Tolerance	±20	%
Min.	375	V
Max.	564	V
Impulse breakdown voltage at 1kv/us      –Typical values of distribution	≤1100	V
Service life		
10 operations      50Hz,1S	10	A
10 operations      8/20us	10	KA
Insulation resistance at DC 100V	≥1	GΩ
Capacitance at 1MHz	≤1.5	pF
Weight	1.5	g
Storage and operations temperature	-40...+90	°C
Climatic category (IEC60068-1)	40/90/21	
Marking,Blue positive	<b>DG2R470L</b>	



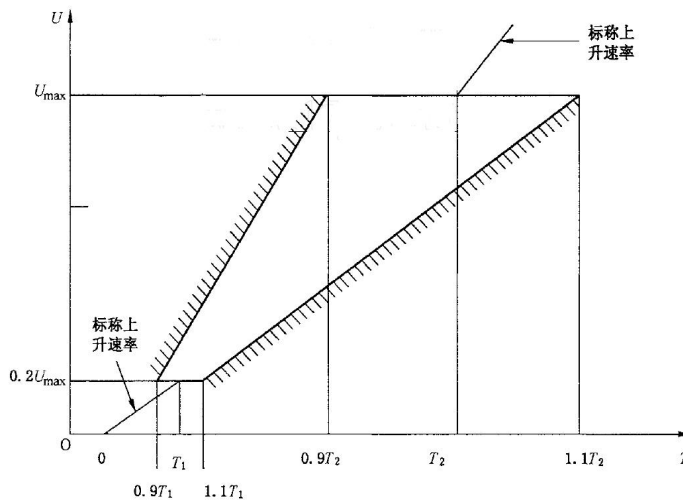
[www.jsdgame.com](http://www.jsdgame.com)

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DC breakdown voltage



8/20us, Test wave

$T_1 = 1.25T = 8\mu s \pm 20\%$

$T_2 = 20\mu s \pm 20\%$

10/700us, Test Wave

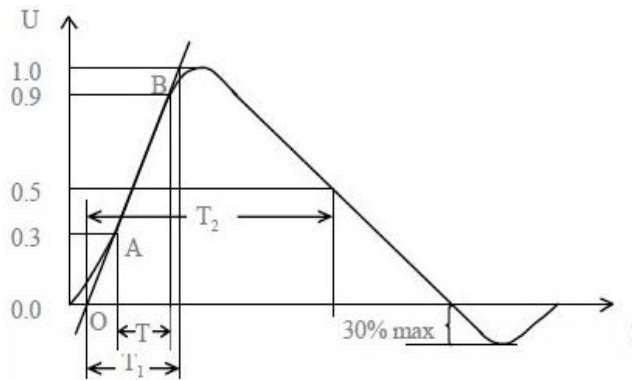
$T_1 = 1.67T = 10\mu s \pm 20\%$

$T_2 = 700\mu s \pm 20\%$

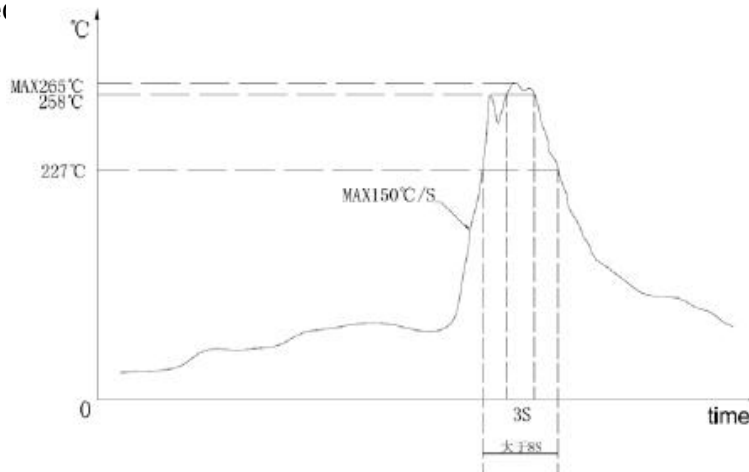
10/1000us, Test Wave

$T_1 = 1.67T = 10\mu s \pm 20\%$

$T_2 = 1000\mu s \pm 20\%$

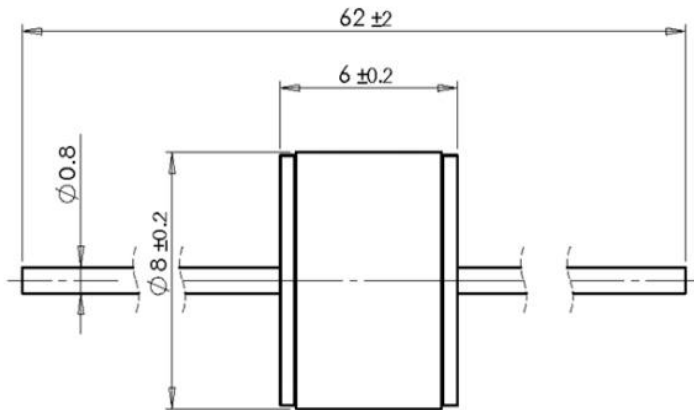


Recommended



**Surge arrester****2-Electrode arrester****DG2R470L**

- 1) Sampling size in accordance to AQL0.65 II
- 2) Tests according to ITU-T Rec. K. 12 and IEC61643-311 or GB/T 9043

**Dimensions****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 Ic
- 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.

*DC Elec.*

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