

## Surge arrester

3-electrode arrester

**Series/Type: DG3R230LFS**

**Customer:**

**Version/Date: Issue 03/2016-3-14**

**Surge arrester**

**3-Electrode arrester**

**DG3R230LFS**

Features	Applications
<ul style="list-style-type: none"> <li>● Extremely small size</li> <li>● Extremely fast response time</li> <li>● Excellent SMD handling</li> <li>● Stable performance over life</li> <li>● Very low capacitance</li> <li>● High insulation resistance</li> <li>● RoHS-compatible</li> <li>● UL-identification, No:E3357943</li> </ul>	<ul style="list-style-type: none"> <li>● Splitter</li> <li>● PCI Cards</li> <li>● Morden</li> <li>● Line cards</li> </ul>

**Electrical specifications**

DC breakdown voltage <sup>1) 2)</sup>	230	V
	190...276	V
Impulse breakdown voltage <sup>1)</sup>		
at 1kv/us      -for 99%of measured values	≤450	V
Insulation resistance at DC 100V	≥10	GΩ
Capacitance at 1MHz <sup>2)</sup>	≤1.5	Pf
Service life <sup>3)</sup>		
10 operations      8/20us	10	KA
10 operations      50Hz,1S	5	A
1 operations      50Hz,0.18S	30	A
Arc voltage at 1A	~30	V
Glow to arc transition current	~1	A
Glow voltage	~200	V
Weight	~1.5	g
Storage and operation temperature	-40...+90	°C
Climatic category (GB/T 9043, IEC61643-1)	40/90/21	
Marking,Blue positive	<b>DG3R230L</b>	



Tel: +86-510-81707285  
 Fax: +86-510-81707277  
[www.dong-guang.com](http://www.dong-guang.com)

## Surge arrester

### 3-Electrode arrester

DG3R230LFS

1) At delivery AQL 0.65 level II ,DIN ISO 2859

2) In ionized mode

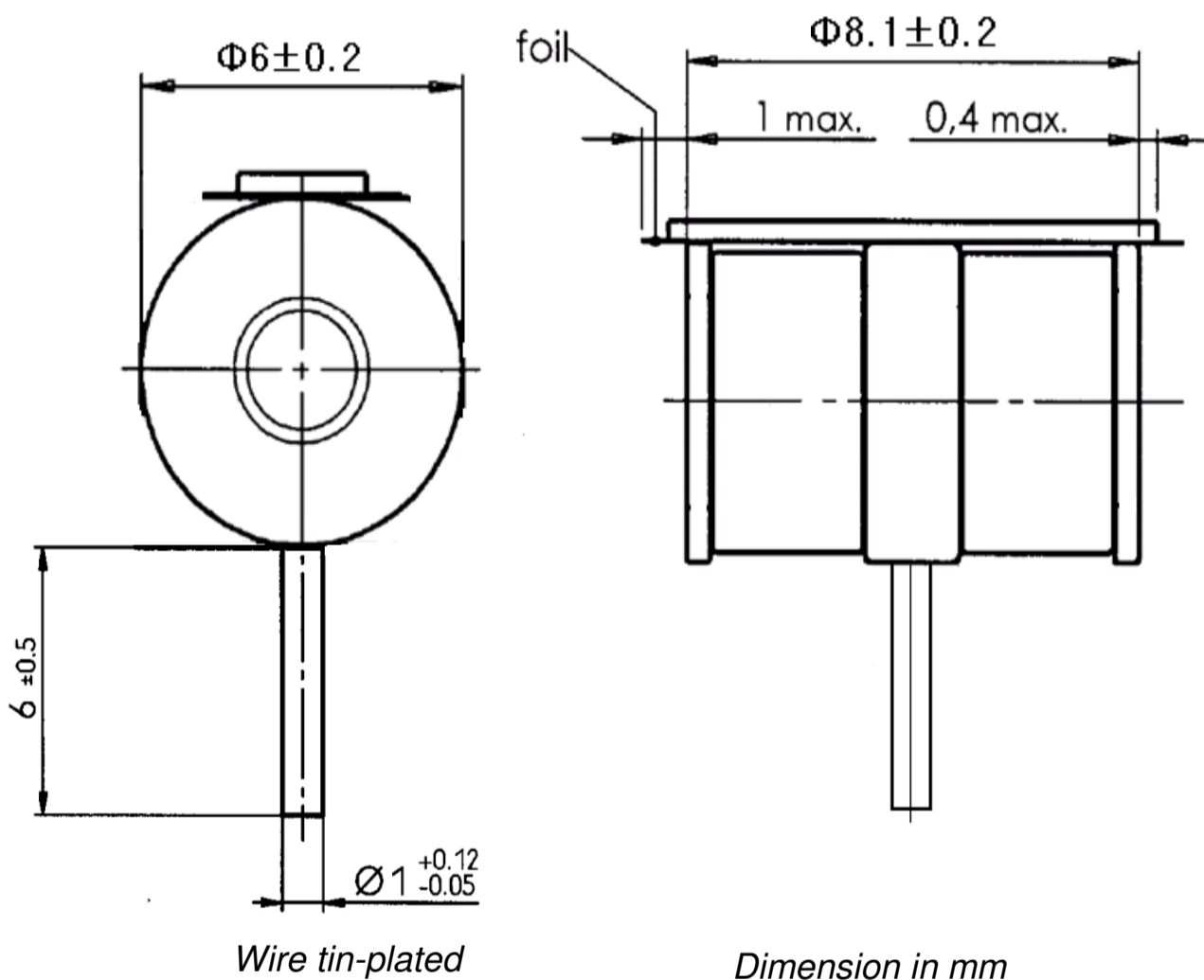
3) DC spark-over voltage  $\pm 30\%$  after load

Tests according to ITU-T Rec. K. 12 and UL 497B

Terms and current waveforms in accordance with: ITU-T Rec. K. 12; IEC 61643-1 and DIN 57845 / VDE0845

### Dimension

The arrester failsafe mechanism contains a transparent foil , the failsafe will become black with a foil melting temperature 150°C.



### Cautions and warnings

- Depending on the incorporation position, the surge arrester may have to be additionally secured by mechanical means.
- 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).
- Damaged surge arresters must not be re-used.