



## Surge arrester

### 2-electrode arrester

**Series/Type:** EM350XG  
**Ordering code:** B88069X0980T502  
**Version/Date:** Issue 05 / 2013-08-28

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**Features**

- Very small size
- Very fast response time
- Stable performance over life
- Extremely low capacitance
- High insulation resistance
- RoHS compatibility

**Applications**

- Modem
- Consumer electronics

**Electrical specifications**

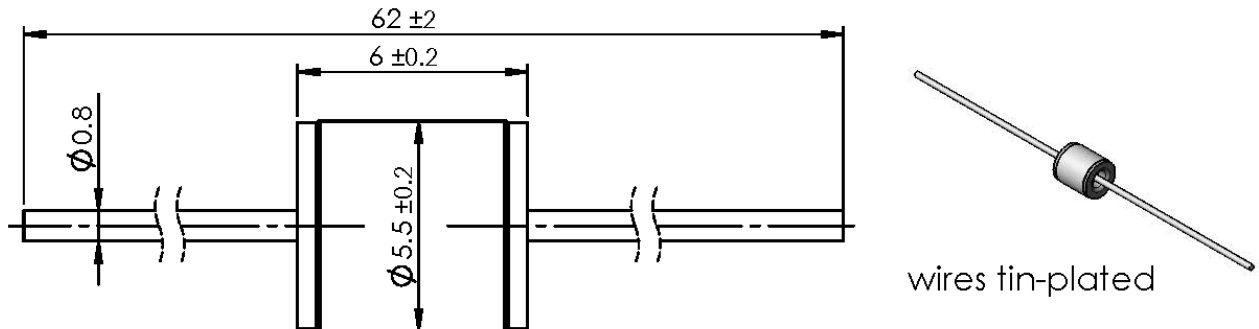
DC spark-over voltage <sup>1) 2)</sup>	350 ± 20	V %
Impulse spark-over voltage		
at 100 V/μs   - for 99% of measured values	< 800	V
- typical values of distribution	< 700	V
at 1 kV/μs    - for 99% of measured values	< 900	V
- typical values of distribution	< 800	V
Service life		
10 operations    50 Hz; 1 s	2.5	A
1 operation     50 Hz; 0.18 s (9 cycl.)	5	A
10 operations   8/20 μs	2.5	kA
1 operation     8/20 μs	5	kA
Insulation resistance at 100 V <sub>DC</sub>	> 1	GΩ
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A	~ 12	V
Glow to arc transition current	< 0.5	A
Glow voltage	~ 80	V
Weight	~ 1	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red positive	<b>EPCOSEM 350 YY O</b> EM       - Series 350      - Nominal voltage YY      - Year of production O        - Non radioactive	

<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

<sup>2)</sup> In ionized mode

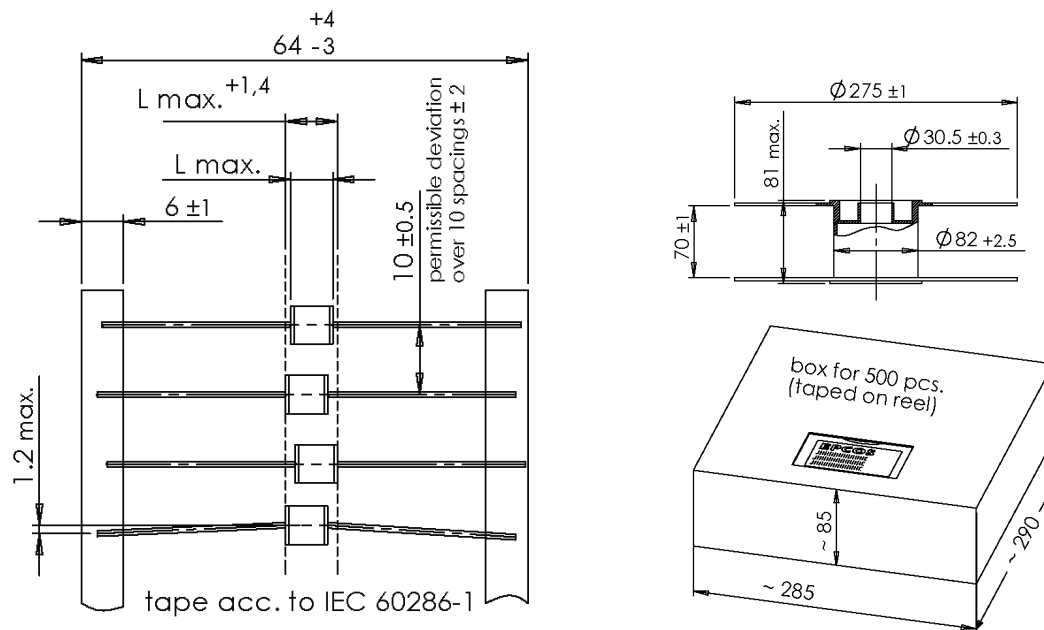
Terms in accordance with ITU-T Rec. K.12; IEC 61663-2 and IEC 61643-311.

### Dimensional drawing in mm



### Ordering code and packing advice

**B88069X0980T502** = 500 pcs. on tape and reel



### Cautions and warnings

- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in the event of longer periods of current stress (danger of burning).
- Surge arresters may be used only within their specified values. In the event of overload, the lead contacts may fail or the component may be destroyed.
- Surge arresters must be handled with care and must not be dropped.
- Damaged surge arresters must not be re-used.

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