Surge arrester

2-electrode arrester

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

Features

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

Applications

- Modem
- Consumer electronics

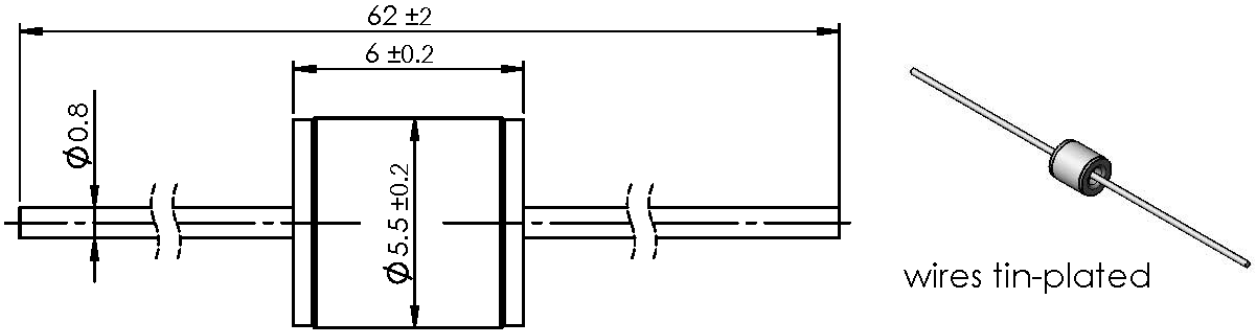
Electrical specifications

DC spark-over voltage [1) 2)]		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_{DC}		> 1	GΩ
Capacitance at 1 MHz		< 1	pF
Arc voltage at 1 A Glow to arc transition current Glow voltage		~ 12 < 0.5 ~ 80	V A V
Weight		~ 1	g
Operation and storage temperature		-40 ... +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, red positive		**EPCOS EM 350 YY O** EM - Series 350 - Nominal voltage YY - Year of production O - Non radioactive	

1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode

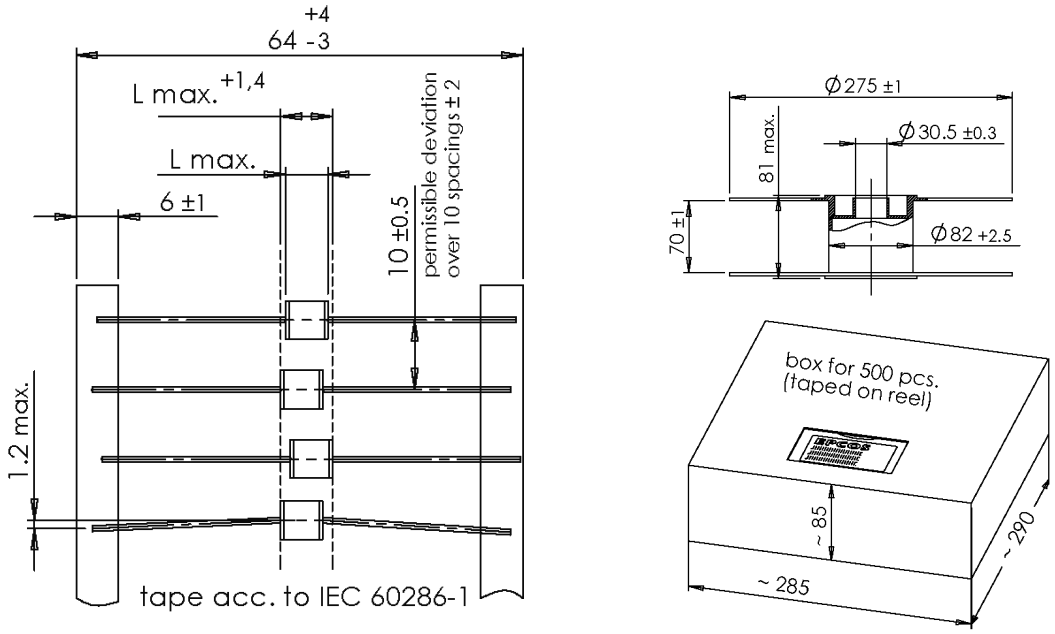
Terms in accordance with ITU-T Rec. K.12; IEC 61663-2 and IEC 61643-311.

Dimensional drawing in mm



Ordering code and packing advice

*B88069X0980**T502** = 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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