Surge arrester

2-electrode arrester

Series/Type:	**A71-H15X**
Ordering code:	**B88069X2701******
Version/Date:	Issue 01 / 2014-04-07

EPCOS AG is a TDK Group Company.

Features

- Standard size
- Fast response time
- Stable performance over life
- Very low capacitance
- High insulation resistance
- RoHS-compatible

Applications

- Consumer electronics

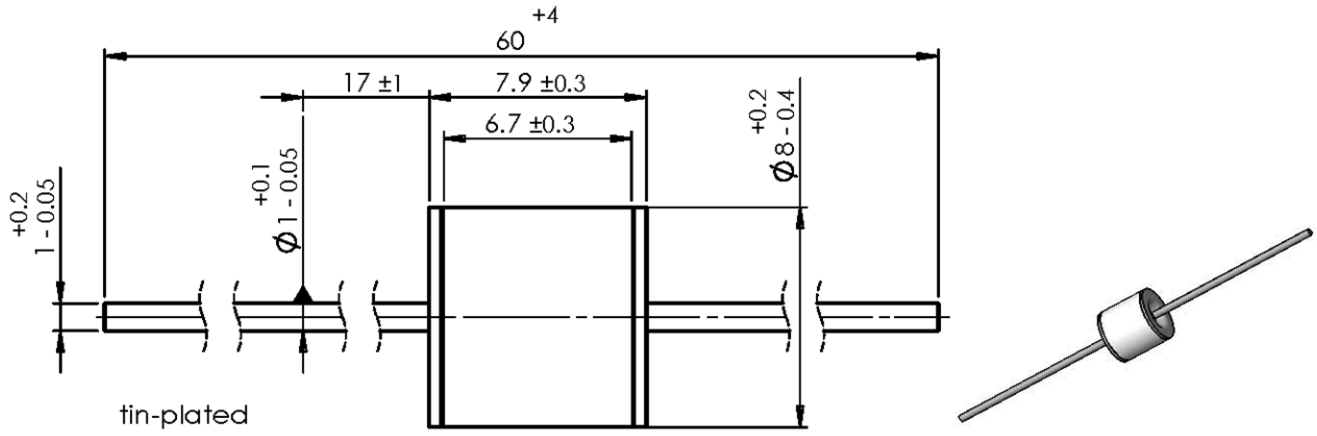
Electrical specifications

DC spark-over voltage [1) 2)]		1500	V
Tolerance		±20	%
Min.		1200	V
Max.		1800	V
Impulse spark-over voltage			
at 100 V/µs	- for 99% of measured values	< 2200	V
	- typical values of distribution	< 2100	V
at 1 kV/µs	- for 99% of measured values	< 2300	V
	- typical values of distribution	< 2200	V
Service life			
10 operations	50 Hz, 1 s	10	A
1 operation	50 Hz, 0.18 s (9 cycles)	65	A
10 operations	8/20 µs	10	kA
1 operation	8/20 µs	15	kA
Insulation resistance at 100 V_{DC}		> 10	GΩ
Capacitance at 1 MHz		< 1	pF
Arc voltage at 1 A		~ 30	V
Glow to arc transition current		< 1	A
Glow voltage		~ 160	V
Weight		~ 1.5	g
Operation and storage temperature		-40 ... +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, green positive		EPCOS 1500 YY O 1500 - Nominal voltage YY - Year of production O - Non radioactive	

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

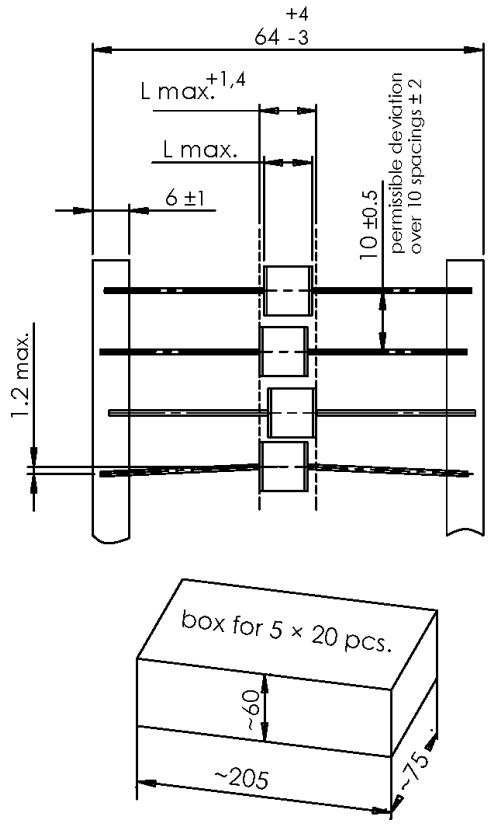
Terms in accordance with ITU-T Rec. K.12; IEC 61663-2 and IEC 61643-311.

Dimensional drawing in mm

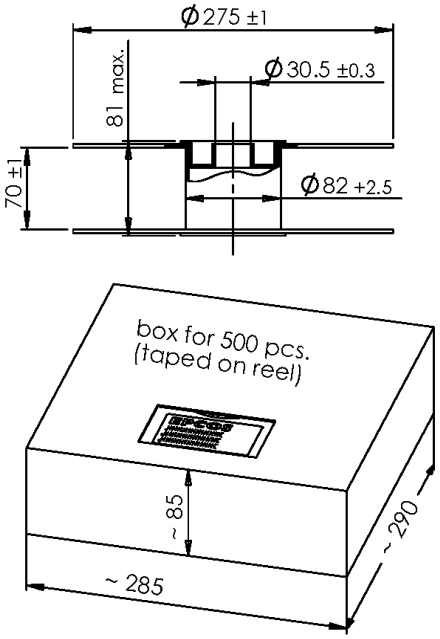


Ordering codes and packing advices

*B88069X2701**S102** = 100 pcs. on 5 taped stripes*

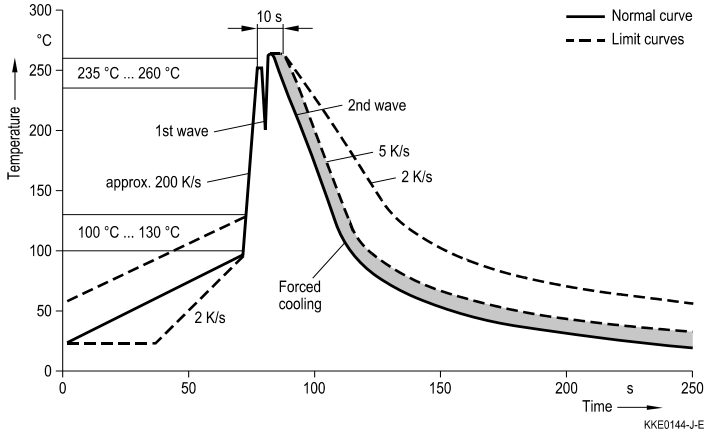


*B88069X2701**T502** = 500 pcs. on tape & reel*



Soldering parameter

Wave soldering



Wave profile features	Pb-free assembly
Solder	Sn 95.5 / Ag 3.8 / Cu 0.7
Solder bath temperature	263 (±3) °C
Dwell time	< 3 s

Soldering profile applied to a single soldering process.

Cautions and warnings

- 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).
- 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.
- Surge arresters must be handled with care and must not be dropped.
- Damaged surge arresters must not be re-used.

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