Surge arrester

3-electrode arrester

Series/Type:	**T90-A350X**
Ordering code:	**B88069X5480C253**
Version/Date:	Issue 05 / 2013-03-27

EPCOS AG is a TDK Group Company.

Surge arrester — B88069X5480C253

3-electrode arrester — T90-A350X

Features

- Very small size
- Fast response time
- High current rating
- Stable performance over life
- Extremely low capacitance
- High insulation resistance
- RoHS-compatible

Applications

- Line protection
- Station protection
- Base stations

Electrical specifications

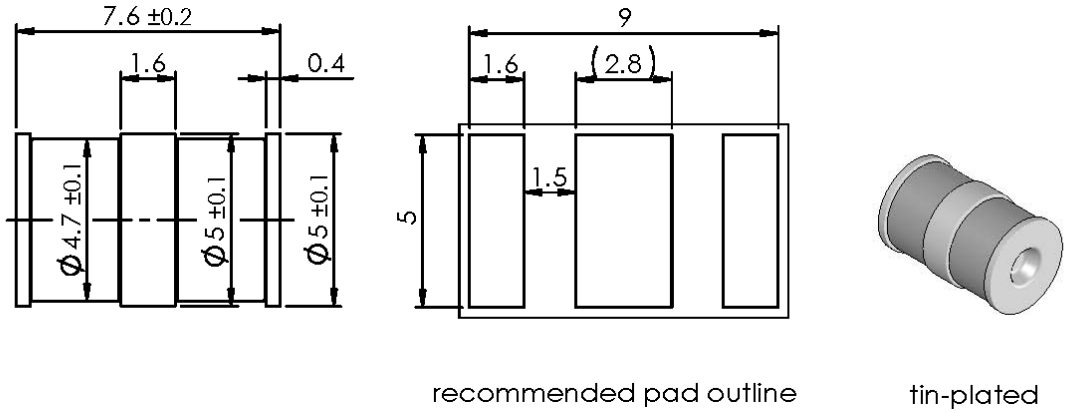
DC spark-over voltage [1) 2) 3)]		350 ± 20	V %
Impulse spark-over voltage [3)]			
at 100 V/µs	- for 99% of measured values	< 850	V
	- typical values of distribution	< 750	V
at 1 kV/µs	- for 99% of measured values	< 1000	V
	- typical values of distribution	< 850	V
Service life			
10 operations	50 Hz; 1 s [4)]	10	A
1 operation	50 Hz; 0.18 s (9 cycles) [4)]	10	A
10 operations [5× (+) & 5× (–)]	8/20 µs [4)]	10	kA
1 operation	10/350 µs [4)]	1	kA
300 operations (+/– alternating)	10/1000 µs [4)]	200	A
Insulation resistance at 100 V_{DC} [3)]		> 1	GΩ
Capacitance at 1 MHz [3)]		< 1.5	pF
Transverse delay time [5)]		< 0.2	µs
Arc voltage at 1 A Glow to arc transition current Glow voltage		~ 10 ~ 1 ~ 60	V A V
Weight		~ 0.8	g
Operation and storage temperature		-40 ... +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, blue negative		**EPCOS** **350 YY O** 350 - Nominal voltage YY - Year of production O - Non radioactive	

Remarks on next page

[1] At delivery AQL 0.65 level II, DIN ISO 2859
[2] In ionized mode
[3] Tip or ring electrode to center electrode
[4] Total current through center electrode, half value through tip respectively ring electrode.
[5] Test according to ITU-T Rec. K.12

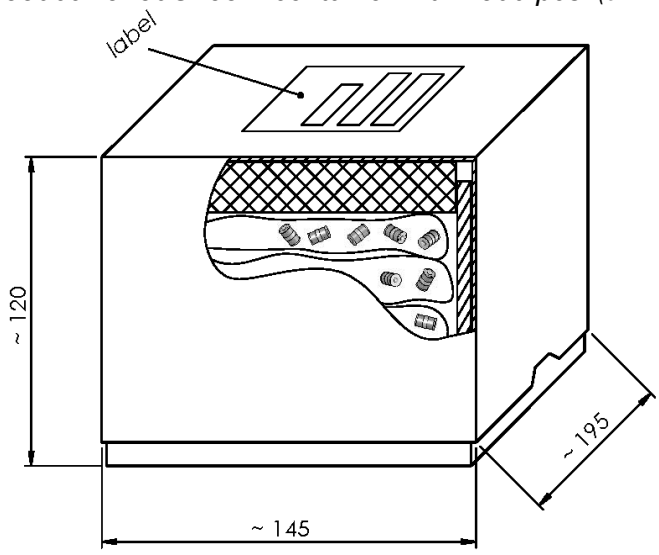
Terms in accordance with ITU-T Rec. K.12; IEC 61663-2 and IEC 61643-311.

Dimensional drawing in mm



Ordering code and packing advice

*B88069X5480**C253** = container with 2500 pcs. (5 PE-bags á 500 pcs.)*



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 lead contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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