Surge arrester

2-electrode arrester

Series/Type:	**ES150XSMD**
Ordering code:	**B88069X6381T902**
Version/Date:	Issue 01 / 2006-11-23

EPCOS AG is a TDK Group Company.

Surge arrester B88069X6381T902

2-electrode arrester ES150XSMD

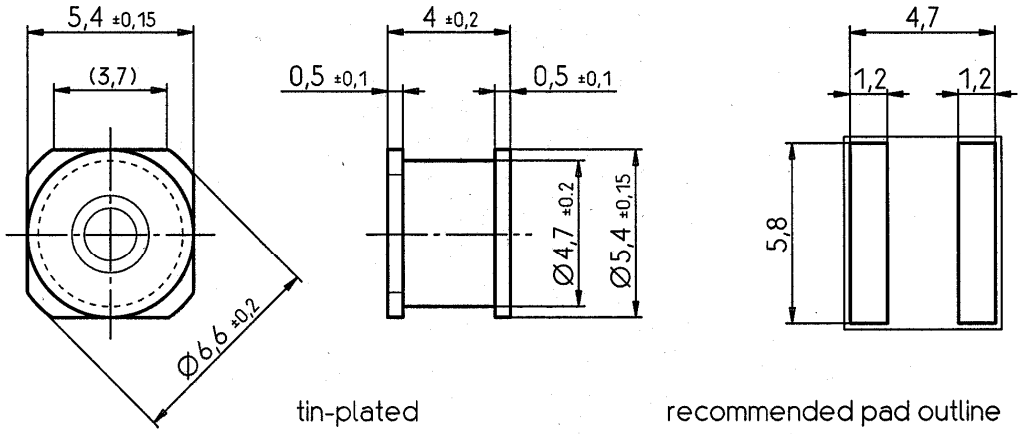
Features	Applications
▪ Extremely small size	▪ Modem
▪ Stable performance over life	▪ XDSL-splitter
▪ Extremely low capacitance	▪ Tuner
▪ High insulation resistance	▪ Data lines
▪ RoHS-compatible	▪ Antenna

Electrical specifications

DC spark-over voltage [1) 2)]	150 ± 20	V %
Impulse spark-over voltage at 100 V/µs - for 99% of measured values - typical values of distribution at 1 kV/µs - for 99% of measured values - typical values of distribution	 < 500 < 450 < 600 < 550	 V V V V
Service life 10 operations 8/20 µs 1 operation 8/20 µs	 2.5 5	 kA 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	~ 10 < 0.5 ~ 40	V A V
Weight	~ 0.3	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red positive	**EPCOS ES 150 YY O** ES - Series 150 - 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 and DIN 57845/VDE0845

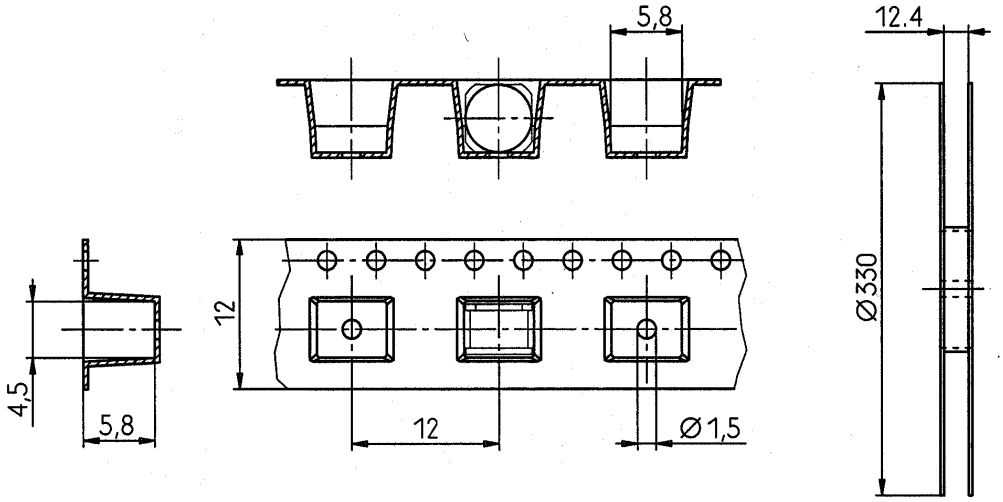
Dimensional drawing in mm



tin-plated recommended pad outline

Ordering code and packing advice

*B88069X6381**T902** = tape and reel with 900 pcs.*
Tape and reel packing comply with the specification of IEC 60286-3



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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The following applies to all products named in this publication:

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