

Surge arrester

2-electrode arrester

Series/Type:ES150XSMDOrdering code:B88069X6381T902Version/Date:Issue 01 / 2006-11-23

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Surge arrester

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B88069X6381T902

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	< 500 < 450	V V
at 1 kV/µs - for 99% of measured values - typical values of distribution	< 600 < 550	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	EPCOSES 150 YY OES- Series150- Nominal voltageYY- Year of productionO- 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

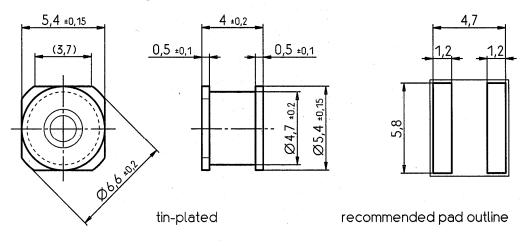


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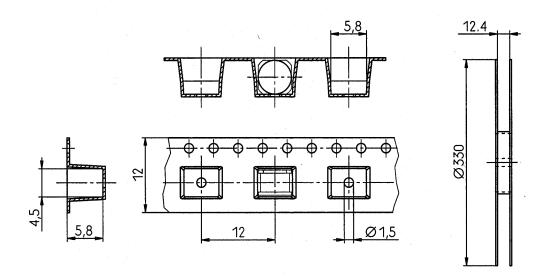
B88069X6381T902 ES150XSMD

Dimensional drawing in mm



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.
 KB AB E / KB AB PM

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