

Surge arrester

2-electrode arrester

 Series/Type:
 EN350XSMD

 Ordering code:
 B88069X7641T702

 Version/Date:
 Issue 02 / 2011-01-17

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Surge arrester

2-electrode arrester

Features

- Very small size
- Very fast response time
- Stable performance over life
- Extremely low capacitance
- High insulation resistance
- Excellent SMD handling
- RoHS-compatible

Applications

- Modem
- XDSL-splitter
- Consumer electronics
- Tuner

Electrical specifications			
DC spark-over voltage ^{1) 2)}		350 ± 20	V %
		<u> </u>	70
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	50 Hz; 1 s	5	А
1 operation	50 Hz; 0.18 s (9 cycles)	20	А
10 operations [5× (+) & 5× (–)]	8/20 μs	5	kA
1 operation	10/350 μs	1.5	kA
300 operations [150× (+) & 150× (–)]	10/1000 μs ³⁾	100	A
DC hold-over voltage			
at 135 V _{DC} / 1300 Ω		< 150	ms
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		~ 15 < 0.5 ~ 140	V A V
Weight		~ 0.5	g
Operation and storage temperature		-40 +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, blue positive		EPCOS EN 350 YY OEN- Series350- Nominal voltageYY- Year of productionO- Non radioactive	

¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

²⁾ In ionized mode

³⁾ DC spark-over voltage may exceed ± 25% after load, but will continue to protect without venting.

Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845

PPD AB PD / PPD AB PM

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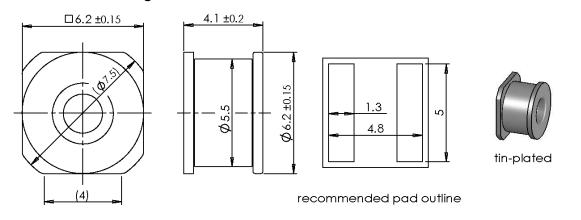


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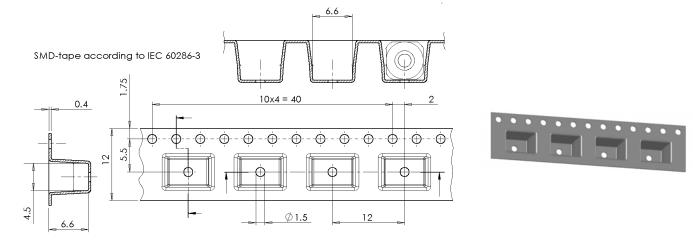
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Dimensional drawing in mm



Ordering code and packing advice

B88069X7641**T702** = 700 pcs taped and reeled



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.
- Damaged surge arresters must not be re-used.

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