

Surge arrester

2-electrode arrester

Series/Type:ES600XSNOrdering code:B88069X6181xxxx a)Version/Date:Issue 01 / 2006-08-31

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Surge arrester

2-electrode arrester

B88069X6181xxxx ^{a)} ES600XSN

Features	Applications
Extremely small size	Modem
 Extremely fast response time 	 Consumer electronics
 Stable performance over life 	Tuner
 Extremely low capacitance 	
 High insulation resistance 	
 RoHS-compatible 	

Electrical specifications

DC spark-over voltage ^{1) 2) 3)}		510 750	V
Impulse spark-over vo at 100 V/µs	•	< 800 < 750	VVV
at 1 kV/µs	 for 99 % of measured values typical values of distribution 	< 900 < 800	V V
Single impulse discharge current (wave 8/20 µs)		2.0	kA
Insulation resistance at 100 V _{dc}		> 1	GΩ
Capacitance at 1 MHz		< 1	pF
Weight		~ 0.5	g
Operation and storage temperature		-40 +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, red positive		EPCOS ES 600 YY OES- Series600- Nominal voltageYY- Year of productionO- Non radioactive	

^{a)} xxxx = T103 (1000 pcs. on SMD-tape) C253 (2500 pcs in container)

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

²⁾ In ionized mode

³⁾ The first DC spark-over value immediately after changing polarity shall not be considered.

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

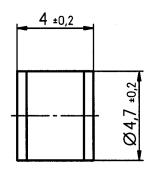


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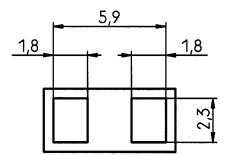
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Dimensional drawing



tin-plated



empfohlene Lötfläche/ recommended pad outline

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.

Dimensions in mm Non controlled document

Not to scale



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