



Surge arrester

2-electrode arrester

Series/Type: ES400XSMD
Ordering code: B88069X5591T902
Version/Date: Issue 02 / 2007-01-12

Features	Applications
<ul style="list-style-type: none"> <i>f</i> Extremely small size <i>f</i> Extremely fast response time <i>f</i> Stable performance over life <i>f</i> Extremely low capacitance <i>f</i> High insulation resistance <i>f</i> Excellent SMD handling <i>f</i> RoHS-compatible 	<ul style="list-style-type: none"> <i>f</i> Modem <i>f</i> Consumer electronics <i>f</i> Tuner

Electrical specifications

DC spark-over voltage ^{1) 2)}	400 ± 15	V %
Impulse spark-over voltage		
at 100 V/μs - for 99 % of measured values	< 800	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	2.5	A
10 operations 8/20 μs	2.5	kA
1 operation 8/20 μs	5	kA
Insulation resistance at 100 V _{dc}	> 1	GK
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A	~ 11	V
Glow to arc transition current	< 0.5	A
Glow voltage	~ 80	V
Weight	~ 1	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red negative	EPCOSES 400 YY O ES - Series 400 - 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

