



Surge arrester

2-electrode arrester

Series/Type: ES1000XS
Ordering code: B88069X6561B502
Version/Date: Issue 02 / 2011-03-09

Features

- Extremely small size
- Fast response time
- Stable performance over life
- Extremely low capacitance
- High insulation resistance
- RoHS-compatible

Applications

- Modem
- Consumer electronics
- Tuner

Electrical specifications

DC spark-over voltage ^{1) 2) 3)}	1000 ± 10	V %
Impulse spark-over voltage at 100 V/μs - for 99 % of measured values - typical values of distribution	< 1400 < 1200	V V
Service life 1 operation 8/20 μs	2	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	EPCOSES 1000 YY O ES - Series 1000 - Nominal voltage YY - Year of production O - Non radioactive	

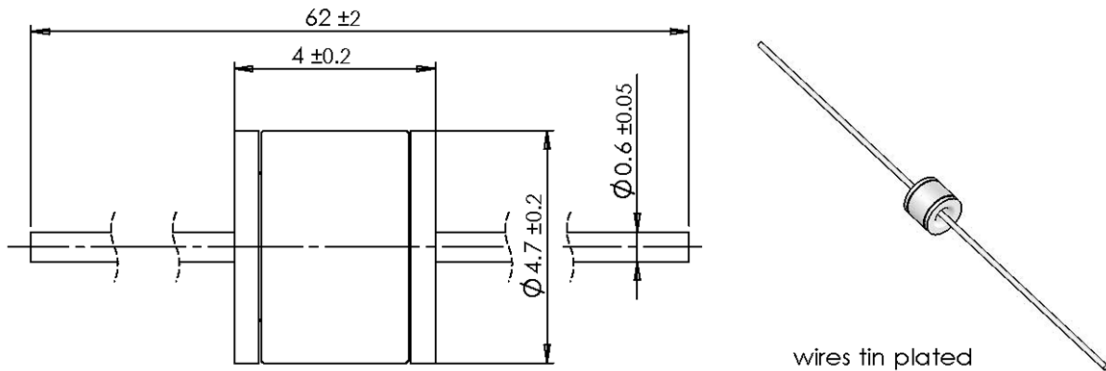
¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

²⁾ In ionized mode

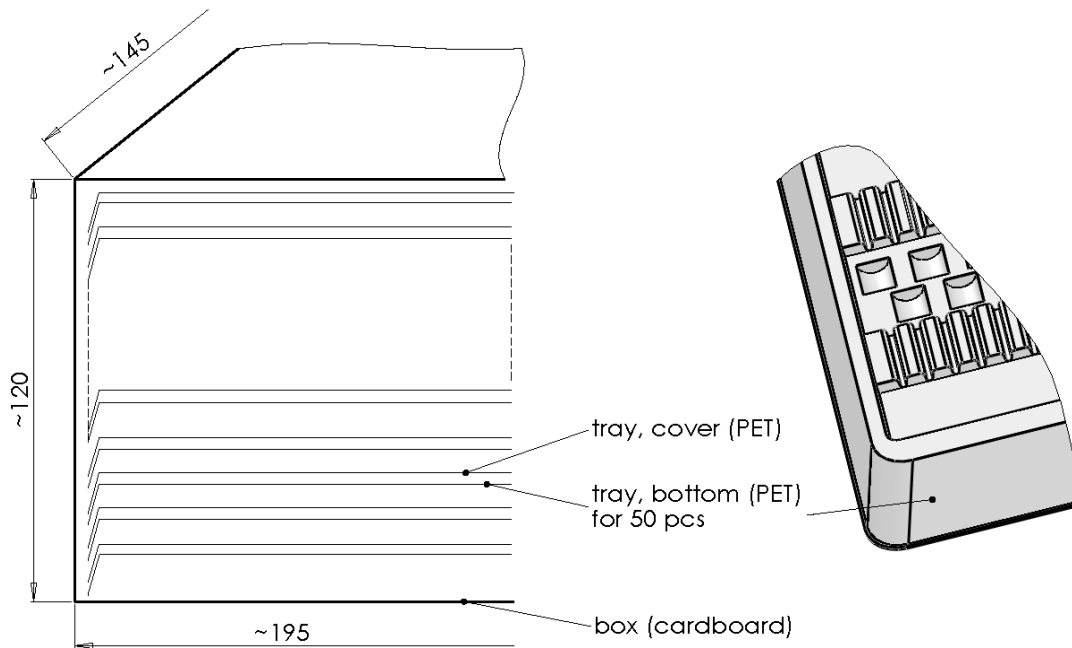
³⁾ The first DC spark-over value immediately after changing polarity shall not be considered.

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

Dimensional drawing in mm



Ordering code and packing advice



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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