



Surge arrester

3-electrode arrester

Series/Type: T30-A260X
Ordering code: B88069X3020xxxx ^{a)}
Version/Date: Issue 05 / 2007-10-31

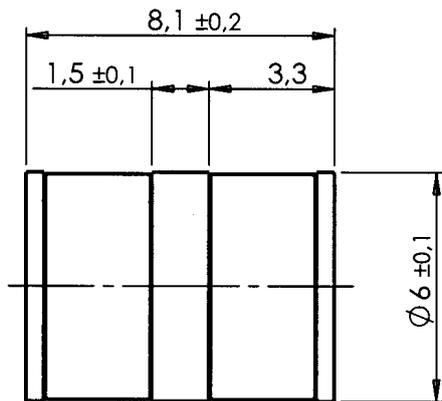
Features	Applications
<ul style="list-style-type: none"> ▪ Very small size ▪ Very fast response time ▪ High current rating ▪ Stable performance over life ▪ Extremely low capacitance ▪ High insulation resistance ▪ RoHS-compatible 	<ul style="list-style-type: none"> ▪ Line protection ▪ Station protection ▪ Base stations

Electrical specifications

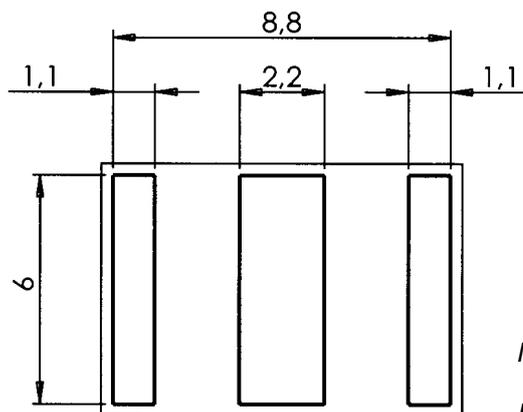
DC spark-over voltage ^{1) 2) 3)}	208 ... 312	V
DC spark-over voltage ^{3) 5)}	208 ... 338	V
DC spark-over voltage ^{2) 4)}	208 ... 400	V
Impulse spark-over voltage at 1 kV/ μ s - for 99 % of measured values ³⁾ - for 50 % of measured values ³⁾	< 550 < 450	V V
Insulation resistance at 100 V _{dc} ³⁾	> 10	G Ω
Capacitance at 1 MHz ³⁾	< 1.5	pF
Service life		
10 operations 50 Hz; 1 s ⁷⁾	5	A _{rms}
10 operations 50 Hz; 1 s ⁶⁾	10	A _{rms}
1 operation 50 Hz; 0.18 s (9 cycles) ⁶⁾	30	A _{rms}
10 operations 8/20 μ s ⁷⁾	5	kA
10 operations 8/20 μ s ⁶⁾	10	kA
1 operation 8/20 μ s ⁶⁾	10	kA
1 operation 10/350 μ s ⁶⁾	2	kA
After service life		
Insulation resistance at 100 V _{DC} ³⁾	> 100	M Ω
DC spark-over voltage ^{2) 3) 10)}	200 ... 390	V
DC spark-over voltage ^{2) 4)}	200 ... 500	V
Impulse spark-over voltage at 1 kV/ μ s - for 99 % of measured values ³⁾	< 650	V
Activation after reflow soldering ⁹⁾		
1 operation U _{RMS} = 600 V; 1 s	2	A
Weight	~ 1.4	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue negative	EPCOS 260 YY O 260 - Nominal voltage YY - Year of production O - Non radioactive	

- a) xxxx = C253 (bulk with 2500 pcs.)
 T702 (SMD-tape with 700 pcs.)
- 1) At delivery AQL 0.65 level II, DIN ISO 2859
 - 2) In ionized mode
 - 3) Tip or ring electrode to center electrode
 - 4) Tip to ring electrode
 - 5) After 1 day storage in darkness for 95 % of tubes
 - 6) Total current through center electrode, half value through tip respectively ring electrode
 - 7) Total current through center electrode, same value through tip respectively ring electrode
 - 8) Total current from ring to tip electrode
- Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE 0845

Dimensional drawing



tin-plated



recommended pad outline

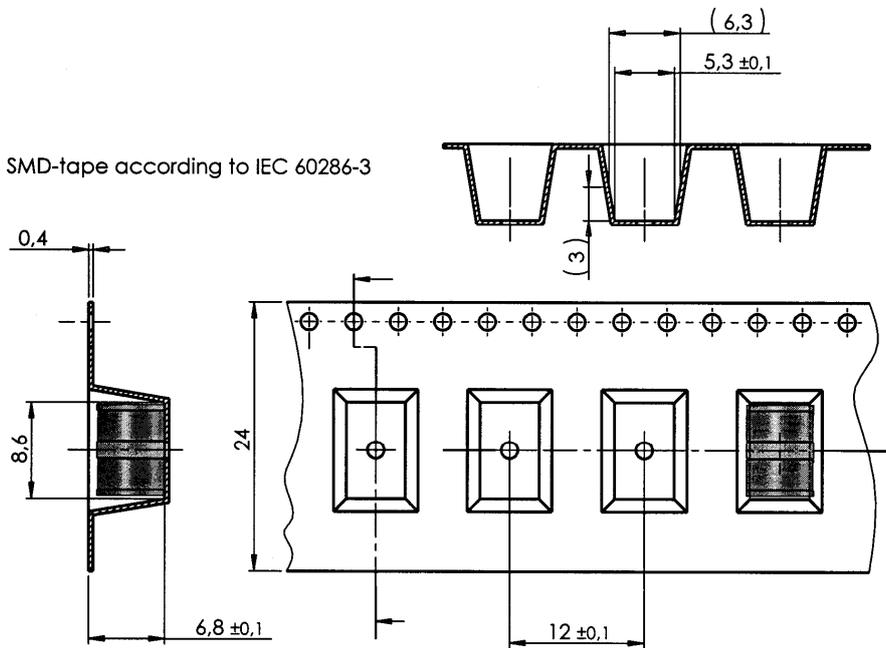
Not to scale

Dimensions in mm

Non controlled document

Packing advice

T702 = 700 pcs on SMD tape



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.

Important notes

The following applies to all products named in this publication:

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