

3-electrode arrester

 Series/Type:
 T30-A230X

 Ordering code:
 B88069X6100T702

 Version / Date:
 Issue 01 / 2014-02-19

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3-electrode arrester

B88069X6100T702 T30-A230X

Features

- Very small size
- Fast response time
- High current rating
- Stable performance over life
- Very low capacitance
- High insulation resistance
- **RoHS-compatible**

Electrical specifications

Applications

- н. Line protection
- Station protection н.
- **Base stations** н.

DC spark-over voltage ^{1) 2) 3)}		230 ± 20	V %
Impulse spark-over voltage 3)			
at 100 V/µs - for 99% of measured values - typical values of distribution		< 400 < 350	V V
I	 for 99% of measured values typical values of distribution 		V V
Service life			
10 operations	50 Hz; 1 s ⁴⁾	10	А
1 operation	50 Hz; 0.18 s (9 cycl.) $^{4)}$	30	А
10 operations [5x (+) & 5x (–)]	8/20 μs ⁴⁾	10	kA
1 operation	10/350 µs ⁴⁾	2	kA
Insulation resistance at 100 V _{DC} ³⁾		> 10	GΩ
Capacitance at 1 MHz ³⁾		< 1.5	pF
Transverse delay time ⁵⁾		< 0.2	μs
Arc voltage at 1 A		~ 30	V
Glow to arc transition current		~ 1	A
Glow voltage		~ 200	V
Weight		~ 1.4	g
Operation and storage temperature		-40 +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, blue negative		EPCOS 230 YY O 230 - Nominal voltage YY - Year of productio O - Non radioactive	'n
Certifications		UL 497B (E163070) 🔊	

Certifications

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

2) In ionized mode

3) Tip or ring electrode to center electrode

4) Total current through center electrode, half value through tip respectively ring electrode.

5) Test according to ITU-T Rec. K.12

Terms in accordance with ITU-T Rec. K.12; IEC 61663-2 and IEC 61643-311.

PPD AB PD / PPD AB PM

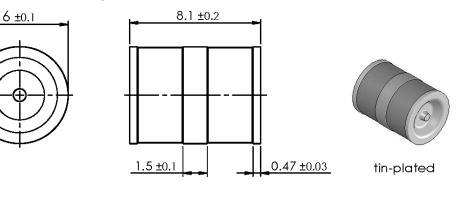
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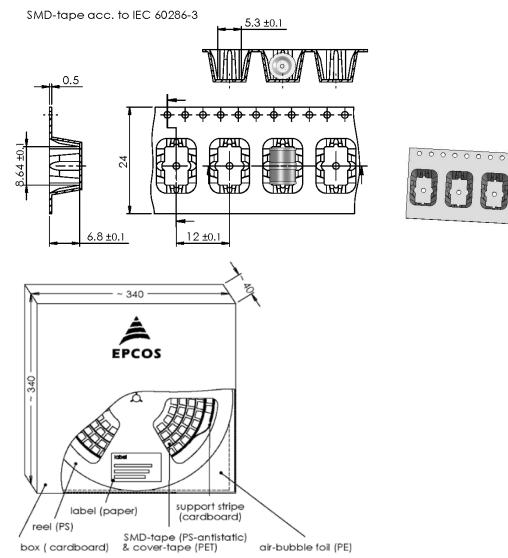
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Dimensional drawing in mm



Ordering code and packing advice

B88069X6100**B502** = 500 pcs. on trays



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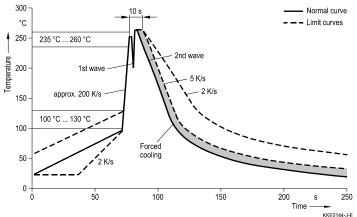


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Soldering parameter

Wave soldering



Wave profile features	Pb-free assembly
Solder	Sn 95.5 / Ag 3.8 / Cu 0.7
Solder bath temperature	263 (±3) °C
Dwell time	< 3 s

Soldering profile applied to a single soldering process.

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 lead contacts may fail or the component may be destroyed.
- Surge arresters must be handled with care and must not be dropped.
- Damaged surge arresters must not be re-used.

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