Surge arrester

High voltage surge absorber

Series/Type:	**HSA-362-6T7**
Ordering code:	**B88069X3233******
Date:	2018-09-12
Version:	06

Surge arrester B88069X3233****

High voltage surge absorber HSA-362-6T7

Features

- Small size for compact circuit design
- Very fast response time
- Extremely low capacitance
- High insulation resistance
- High surge withstand capability
- Allows voltage withstand test up to 85% RH
- Bi-polar design
- RoHS-compatible

Applications

Consumer electronics:
- Refrigerator
- Washing machine
- Air condition

Telecom:
- xDSL modem
- Splitter
- VoIP line cards

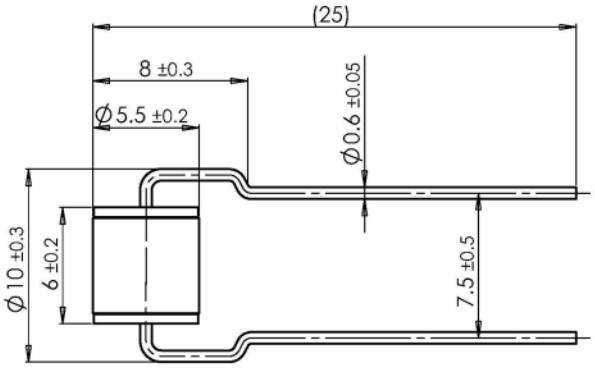
Others:
- Switching power supply
- Inverter

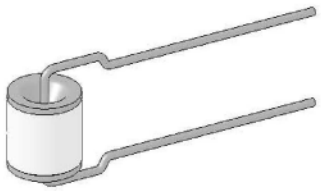
Electrical specifications

Nominal DC spark-over voltage [1) 2)] Tolerance Min. Max.	3600 ±20 2880 4320	V % V V
Impulse life test 300 operations 8/20 µs Peak surge current 1 operation 8/20 µs	 100 3.5	 A kA
Insulation resistance at 100 V_{DC}	> 1	GΩ
Capacitance at 1 MHz	< 1	pF
AC withstand voltage [3)] 3 s	 1800	 V
Operation and storage temperature	–40 ... +125	°C
Marking, green positive	**EPCOS HSA 362 YY** HSA - Series 362 - Nominal voltage (3600 V) YY - Year of production	
Certifications	UL 1449 (E319264)	

1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode
3) Withstand test in acc. to MIL-STD-202G.

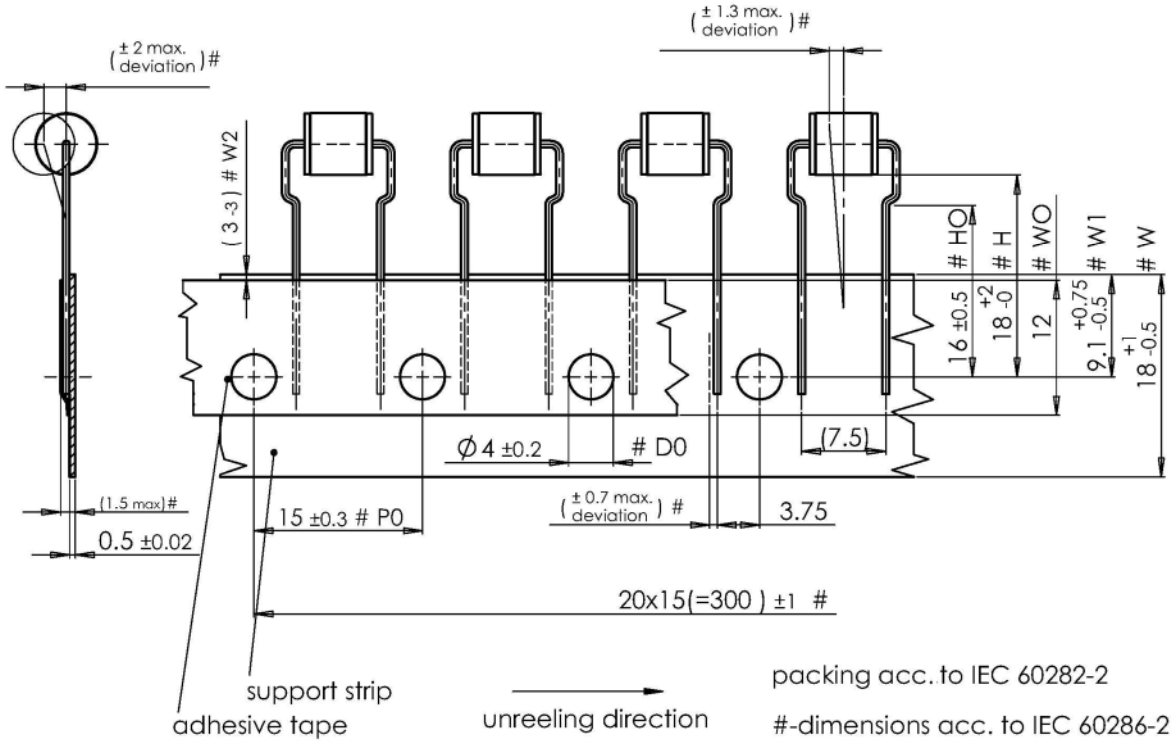
Dimensional drawing in mm



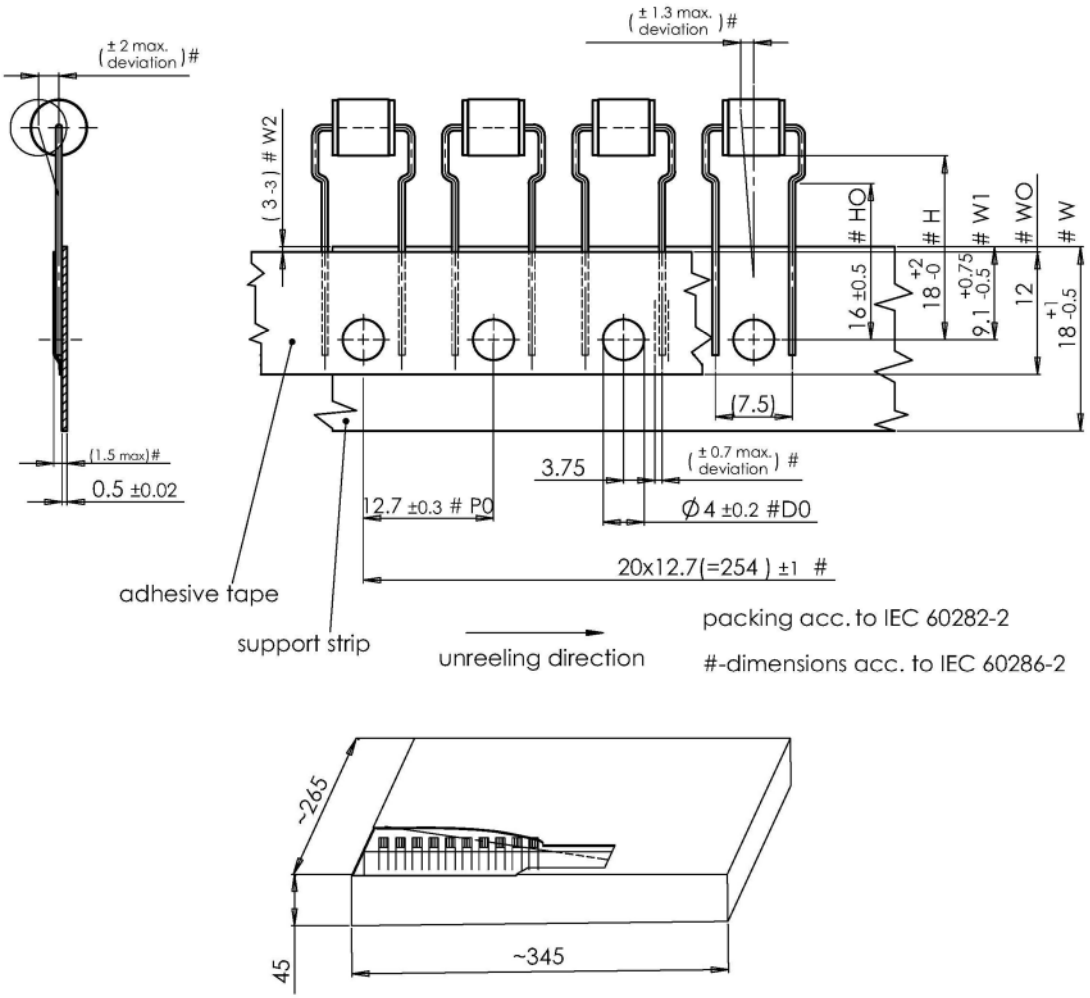


Ordering codes and packing advices

*B88069X3233**A802** = 800 pcs. in ammo pack*

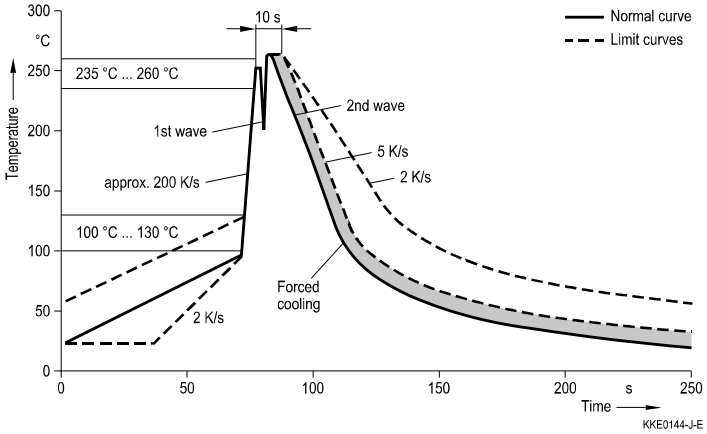


*B88069X3233**A103** = 1000 pcs. in ammo pack*



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

- Do not operate surge absorber in power supply networks, whose maximum operating voltage exceeds the minimum spark-over voltage of the surge arresters.
- Surge absorber may become hot in the event of longer periods of current stress (burn risk). In the event of overload the connectors may fail or the component may be destroyed.
- If the contacts of the surge arresters are defective, current load can cause sparks and loud noises.
- Electromagnetic fields and ionizing radiation may affect the electrical characteristics of the arrester. The impact of such effects (inductive and capacitive field distortion from adjacent components) must be avoided by appropriate circuit design measures.
- Surge absorber must be handled with care and must not be dropped.
- Do not continue to use damaged surge absorber.

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Important notes

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