

# Surge arrester

2-electrode arrester

Series/Type: A71-H25X

Ordering code: B88069X 2190\*\*\*\*

Date: 2017-04-24

Version: 12

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## 2-electrode arrester A71-H25X

#### **Features**

- Standard size
- Fast response time
- Stable performance over life
- Low capacitance
- High insulation resistance
- RoHS-compatible

## **Applications**

- Power supply
- Consumer electronics
- Air-con

## **Electrical specifications**

2500	1/
±20 2000 3000	V % V
< 3900 < 3800 < 4000 < 3900	V V V
10 20 10 15	A A kA kA
> 10	$G\Omega$
< 1	pF
~ 20 < 1 ~ 180	V A V
~ 2	g
-40 <b>+125</b>	°C
40/125/21	•
EPCOS 2500 YY O 2500 - Nominal voltage YY - Year of production O - Non radioactive	
UL 1449 (E319264)	c <b>FU</b> °us
	2000 3000  < 3900 < 3800 < 4000 < 3900  10 20 10 15 > 10 < 1 ~ 20 < 1 ~ 180  ~ 2  —40 +125  40/125/21  EPCOS 2500 YY O 2500 - Nominal voltage YY - Year of production O - Non radioactive

<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

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

<sup>2)</sup> In ionized mode

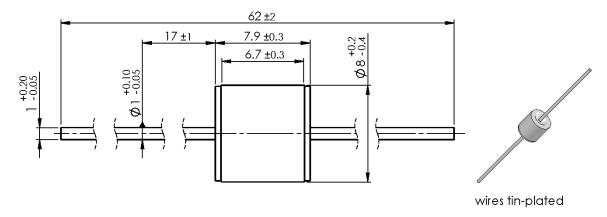


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## 2-electrode arrester

A71-H25X

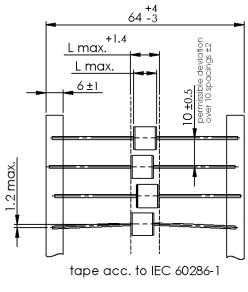
## Dimensional drawing in mm

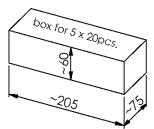


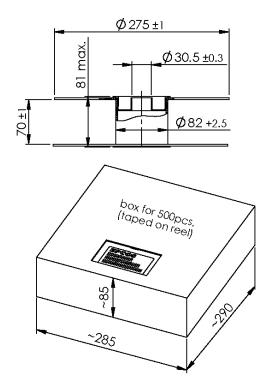
## Ordering codes and packing advices

B88069X2190**S102** = 100 pcs. on 5 taped stripes

B88069X2190**T502** = 500 pcs. on tape & reel







PPD AB PD / PPD AB PM

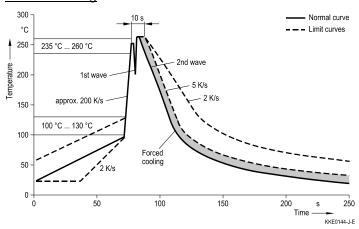


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#### Soldering parameter

#### 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	<3s

Soldering profile applied to a single soldering process.

#### **Cautions and warnings**

- Do not operate surge arresters in power supply networks, whose maximum operating voltage exceeds the minimum spark-over voltage of the surge arresters.
- 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 arresters 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.
- Surge arresters must be handled with care and must not be dropped.
- Do not continue to use damaged surge arresters.

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