

Surge arrester

2-electrode arrester

Series/Type: D08-A800P2SMD Ordering code: B88069X6273T173

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B88069X6273T173

D08-A800P2SMD

Surge arrester

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Features

- Very fast response time
- Stable performance over life
- High insulation resistance
- Excellent SMD handling
- RoHS-compatible

Applications

- AC power line N-PE application
- Class II surge protection

Electrical specifications

DC spark-over voltage ^{1) 2)}	600 1000	V
Front of wave spark-over voltage - at 1.2/50 µs, 6 kV	< 1500	V
Breakdown time - typical values	< 100 < 20	ns ns
Insulation resistance at 100 V _{DC}	> 1	GΩ
$\begin{array}{ll} \mbox{Class II according to IEC 61643-11} \\ \mbox{Max. continuous operating voltage at 50/60 Hz} & U_c \\ \mbox{Nominal discharge current 8/20 } \mbox{\mu s} & I_n \\ \mbox{Maximum discharge current 8/20 } \mbox{\mu s} & I_{max} \\ \mbox{Follow current at 50/60 Hz} & I_f \end{array}$	255 10 15 100	V kA kA A
Service life 1 operation 8/20 µs	20	kA
Weight	~ 0.5	g
Operation and storage temperature	-40 +125	°C
Climatic category (IEC 60068-1)	40/125/21	
Marking	without	
	1	

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

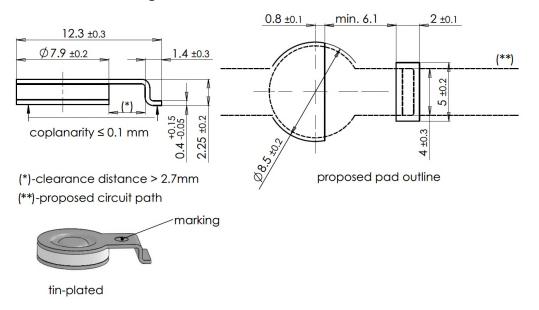
²⁾ In darkness without storage



Surge arrester

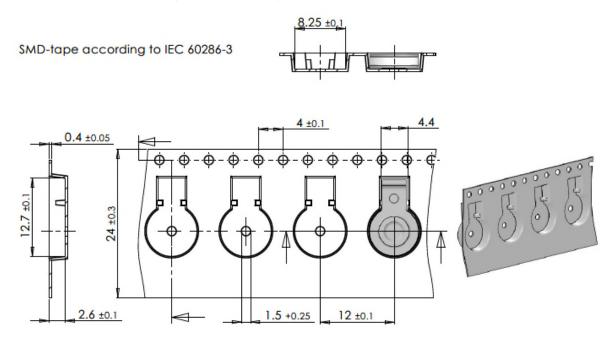
2-electrode arrester

Dimensional drawing in mm



Ordering codes and packing advices

B88069X6273**T173** = 1700 pcs. on SMD-tape & reel



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Surge arrester

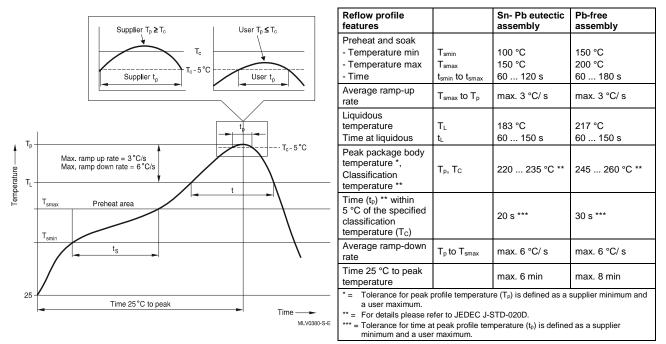
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Soldering parameter

Reflow soldering



Surface mounted components (SMD) may exhibit a temporary increase in the DC spark-over voltage after the solder reflow process. The components will recover within 24 hours. There is no quality defect nor change in protection levels during the temporary change in DC spark-over voltage.

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.
- 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.
- Surge arresters must be handled with care and must not be dropped.
- Do not continue to use damaged surge arresters.
- The shown SMD pad dimensions represent a safe way to mount the arrester and are a recommendation of the manufacturer. During the reflow process it must be assured that no solder material reduces the insulation distance between the pads below the arrester.
- SMD surge arresters should be soldered within 24 month after shipment.

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