imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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Surge arrester

2-electrode arrester

 Series/Type:
 V13-A500XN

 Ordering code:
 B88069X6940B152

 Date:
 2018-01-18

 Version:
 12

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V13-A500XN

B88069X6940B152

Surge arrester

2-electrode arrester

Features

- Standard size
- Maximum current rating
- Fast response time
- Stable performance over life
- High insulation resistance
- RoHS-compatible

Applications

- AC power line N-PE application
- Class I and class II– surge protection

Electrical	specifications
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DC spark-over voltage ^{1) 2)}		500 850	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
Class I according to IEC 61643-11 Max. continuous operating voltage at 50/60 Hz Nominal discharge current 8/20 µs Impulse current 10/350 µs Follow current at 50/60 Hz	U _c I _n I _{imp} I _f	255 40 12.5 100	V kA kA A
Class II according to IEC 61643-11 Max. continuous operating voltage at 50/60 Hz Nominal discharge current 8/20 µs Maximum discharge current 8/20 µs Follow current at 50/60 Hz	U _c I _n I _{max} I _f	255 40 65 100	V kA kA A
AC discharge current (TOV ³⁾ at 1200 V) 1 operation 50 Hz, 0.2 s		300	A
Weight		~ 6.5	g
Operation and storage temperature		-40 +90	°C
Climatic category (IEC 60068-1)		40/090/21	
Marking, black positive		EPCOS 500 YY ON 500 - Nominal voltage YY - Year of production O - Non radioactive N - Series	
Certification		UL 497B (E163070)	9 1°

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

²⁾ In ionized mode

³⁾ TOV – Temporary over voltage

PPD AB PD / PPD AB PM

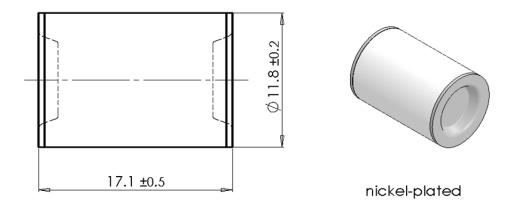


Surge arrester

2-electrode arrester

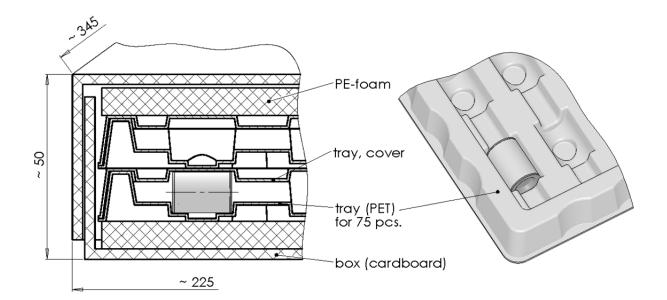
B88069X6940B152 V13-A500XN

Dimensional drawing in mm



Ordering code and packing advice

*B88069X6940***B152** = 150 pcs. on trays





Surge arrester

2-electrode arrester

Cautions and warnings

- The follow current must be limited (see values on page 2) so that the arrester can be properly extinguished when the surge has decayed. The arrester might otherwise heat up and ignite adjacent components.
- 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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