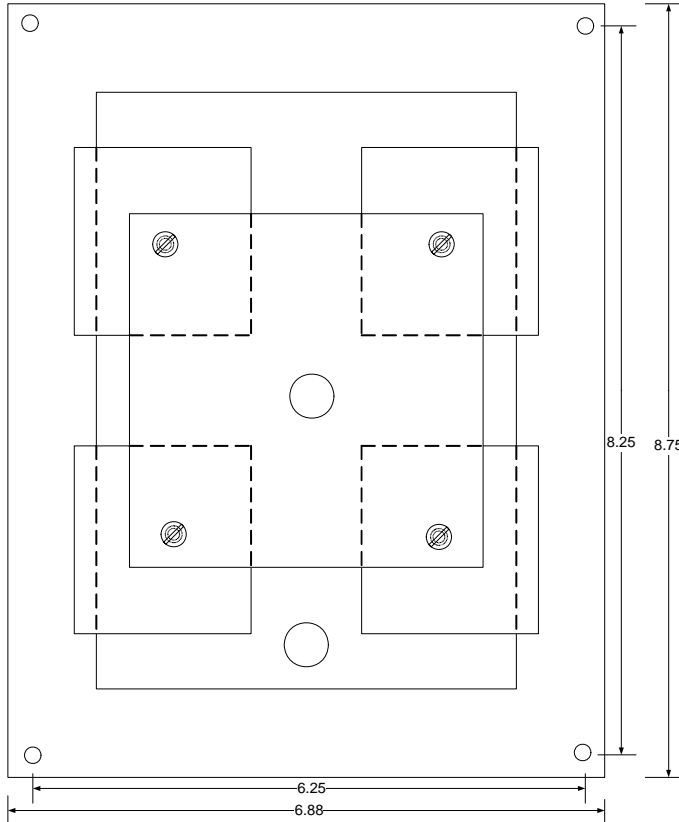


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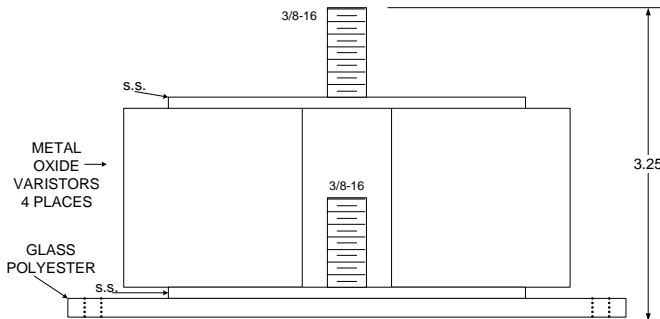
DATA SHEET MODEL LPC 11550-1200 1000 VDC OPERATING VOLTAGE LIGHTNING AND SURGE PROTECTIVE DEVICE (SPD)



The LPC 11550-1200 is a two terminal lightning and surge protective device for protection of electrical and electronic equipment against lightning surge and overvoltage conditions appearing on the "plus" and "minus" lines of the power system. Operating voltage at 1000 VDC; maximum continuous operating voltage is 1200 VDC.

Response is less than one nanosecond in either polarity. Automatic restoration at the instant the voltage reduces to the normal operating voltage. There is no follow current, no power voltage dip, no power interruption.

This SPD is a metal oxide varistor disc array, epoxy-encapsulated in DAP plastic enclosures. Installation is across the plus and minus lines. It is maintenance free, and repairable. The two terminals are threaded studs 3/8-16. Either terminal may be connected to the "plus" or "minus" bus.



The SPD shall be customer mounted within a suitable metal enclosure to contain any possible flying debris should a failure occur. A suggested example enclosure would be Hoffman Engineering Cat A10086 (CH, CHNF, or CHNFSS). Overall dimensions 10" X 8" X 6" with SPD panel mounting on 8.25" X 6.25" centers. The location shall be inaccessible to unauthorized personnel.

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SPECIFICATIONS
MODEL LPC 11550-1200
1000 VDC OPERATING VOLTAGE
LIGHTNING AND SURGE PROTECTIVE DEVICE (SPD)

- 1) **Voltage rating** : 1000 VDC operating voltage
1200 VDC maximum continuous operation voltage (MCOV).

- 2) **Connections** : Two terminals with 3/8-16 studs on stainless steel end cap plates.

- 3) **Performance** : Bipolar operation. Surge is clamped with equal performance on either polarity. Response is less than one nanosecond. No power follow current. No power consumption.

- 4) **Mounting** : Enclosure provided by customer.
Suggested : Steel enclosure. 10" X 8" X 6"
SPD is provided with mounting on insulating glass-polyester panel for attachment to enclosure and studs on 8.25" X 6.25" centers. Size : 8.75" X 6.88" X 3.25"

- 6) **Environmental performance** :
Operating temperature -40°C to +55°C.
Max. altitude 15,000 ft.
Relative humidity : 20 to 100% non-condensing.
Air quality and environmental functionality. SPD operates in the following conditions :
Salt-laden atmosphere.
Dry and "dusty" atmosphere (approximately 0.1mm to 1mm air born particles).
Any current world ozone condition.
Presence of sulfates, SO₂.
Acid rain.
Some protection to be offered by the safety enclosure (non air-tight) required for mounting.

- 7) **Joule rating** : 24,000

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