

# Gas Discharge Tubes

High Performance Beta Range

## SL1011B Series Gas Plasma Arrester



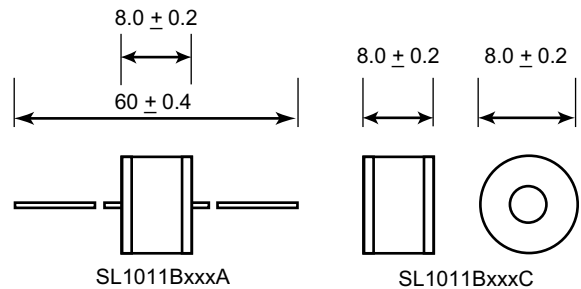
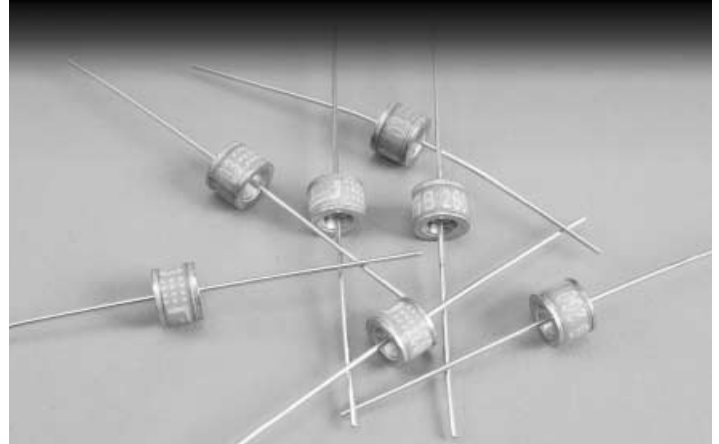
The SL1011B series offers high levels of performance on fast rising transients in the domain of 100V/μs to 1KV/μs, which are those most likely from induced Lightning disturbances. The SL1011B series also features ultra low capacitance (typically 1pF or less) making them ideal for the protection of high-speed transmission equipment. These devices are extremely robust and are able to divert a 10,000A pulse without destruction.

### FEATURES

- Excellent response to fast rising transients.
- Ultra low capacitance.
- 10KA surge capability tested with 8/20μs pulse as defined by IEC 61000-4-5
- 10,000 A single shot surge capability tested with 8/20μs pulse as defined by IEC 61000-4-5

### Applications:

- Broadband equipment.
- ADSL equipment.
- XDSL equipment.
- Satellite and CATV equipment.
- General telecom equipment.

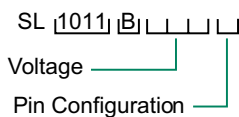


All dimensions in mm



2 ELECTRODE GDT  
GRAPHICAL SYMBOL

### ORDERING INFORMATION



### Mechanical Specifications:

- Weight:** 2.7g (0.095 oz.)
- Materials:** Electrode Base: Nickel Iron Alloy  
Electrode Plating: Bright Sn  
Body: Ceramic
- Device Marking:** Littelfuse 'LF' marking, Voltage and date code.

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LITTELFUSE 2 TERMINAL ARRESTER SERIES  
TOTALLY NON-RADIOACTIVE, UL RECOGNIZED

Part Number	DC Voltage (V)	DC Breakover Voltage Min-Max (V)	Max Dynamic Breakover Voltage @ 100V/μs <sup>2</sup> (V)	Alternating Discharge Current (A)	Max Repetitive Impulse Discharge Current <sup>1</sup> (kA)	Max Single Impulse Discharge Current 8/20μs (kA)	Max Single Impulse Discharge Current 10/350μs (kA)
SL1011B230	230	184-276	375	10	(kA)	20	2.5
SL1011B250	250	200-300	400	10	10	20	2.5
SL1011B260	260	210-310	420	10	10	20	2.5
SL1011B350	350	280-420	500	10	10	20	2.5
SL1011B500	500	400-500	750	10	10	20	2.5
SL1011B600	600	480-720	450	10	10	20	2.5

- (1) 10 shots, 8/20μs waveform.
- (2) 10 shots, A.C. 60 Hz, 1 sec duration.

Note: Other outlines available on request.

Voltage vs Time Characteristic

