



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!



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# Gas Discharge Tubes

## High Performance Beta Range

### RoHS Greentube™ HV Series Gas Plasma Arresters



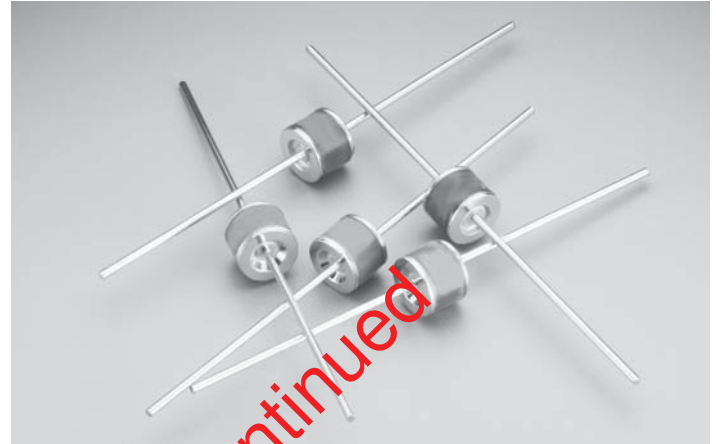
The HV Series is a 2-terminal bi-directional, voltage triggered switch designed for the protection of high voltage circuits. Switching voltages for the devices are fixed depending on the part number selected. The gas plasma trigger technology offers very fast switching speeds, high current capability and very low leakage currents.

#### Features

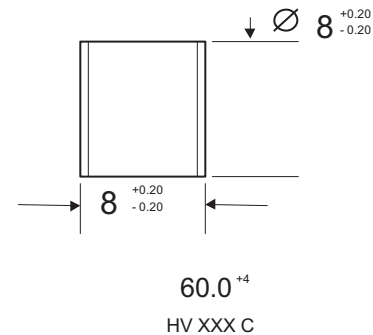
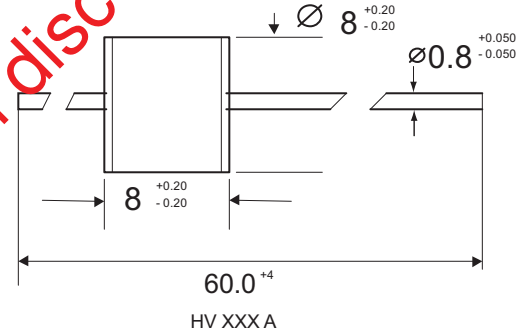
- 2 terminal configuration.
- Very high Isolation up to the specified switching voltage.
- Switching performance is virtually unaffected by changes in ambient temperature.
- UL 1414 class Y2 rated. Listed under file number E56529.
- Moisture resistance as per MIL-STD-202 method 106 (90-98% RH, 65°C).
- Tape and reel to EIA 481-1.

#### Applications

- To protect of high voltage circuits.
- To provide isolation between chassis and ground.

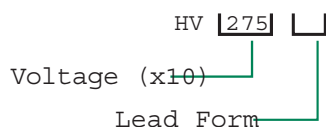


OBSOLETE: This product has been discontinued



GAS DISCHARGE TUBES

#### ORDERING INFORMATION



A= Axial lead, tape & reel  
C= Core

#### Mechanical Specifications:

- Weight:** 1.42g (0.049oz.)  
**Materials:** Electrode Base: Copper alloy  
 Electrode Plating material: Bright Sn  
 Body: Ceramic  
**Device Marking:** Littelfuse 'LF' marking, voltage and product code

## Gas Discharge Tubes

### Gas Plasma Voltage Dependent Switches

# RoHS Greentube™ HV Series Gas Plasma Arresters



#### Device Ratings and Specifications

DC Breakover Voltage ( $V_{BO}$ ) <sup>(1)</sup>	2850 – 3500 V
Insulation Resistance ( $R_G$ ) <sup>(2)</sup>	100 M $\Omega$
Max Capacitance ( $C_0$ ) <sup>(3)</sup>	1.0 pF
Max Impulse Breakover Voltage ( $I_{BO}$ ) <sup>(5)</sup>	3700 V

#### Maximum Ratings:

Impulse Discharge Current <sup>(4)</sup> .....	3 kA, 10 shots
Storage Temperature $T_{STG}$ .....	-40 - +150°C
Operating Temperature .....	-40 - +150°C

#### Notes:

- (1) Measured @ 500 Volts / Second
- (2) Measured @ 1000 Volts DC
- (3) Measured @ 1 MHz, zero Volt bias
- (4) Using 8/20 $\mu$ s double exponential pulse
- (5) Measured at 100 Volts/ $\mu$ s rate of rise

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