

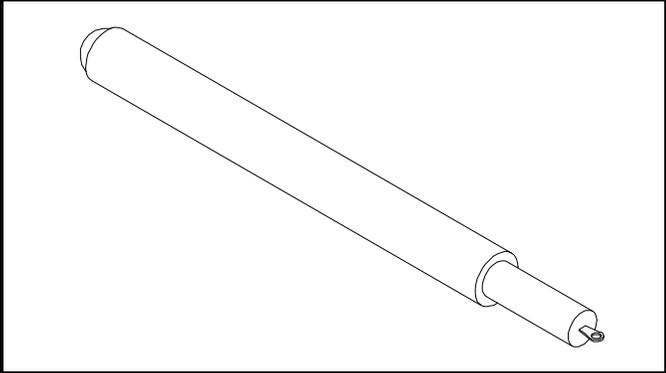


Solid State Devices, Inc.

14701 Firestone Blvd * La Mirada, CA 90638
 Phone: (562) 404-7855 * Fax: (562) 404-1773
 ssdi@ssdi-power.com * www.ssdi-power.com

SZA45C-12

**Solid State
 1 mA / 12 kVolts
 High Voltage Regulator**



DESIGNER'S DATA SHEET

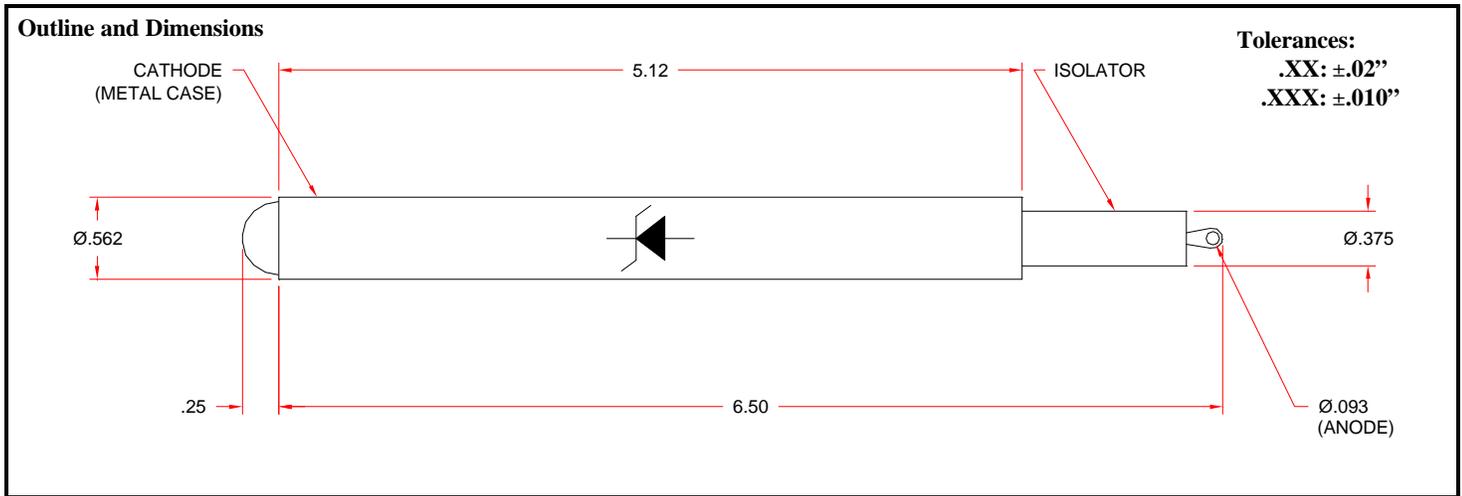
Features:

- Voltage 12 kV ± 500 V
- Current to 1mA
- Rugged – Fail Safe Construction
- Metal Envelope
- Designed for Compact High Voltage Power Supplies
- Capable of being Used at Altitude of 25000 ft.
- Shock: 100g per MIL-STD-202, Method 202
- Vibration: 10g, 10 – 500 cps
- Other Voltages Available; Consult Factory
- Replaces Victoreen M45C-12

| Maximum Ratings | Symbol | Value | Units |
|---------------------------------|------------|-------------|-------|
| Maximum Continuous Current | I_Z | 1.0 | mA |
| Peak Current | I_{PK} | 1.5 | mA |
| Operating & Storage Temperature | Top & Tstg | -55 to +125 | °C |

| Electrical Characteristics @ 25°C | | | | | | |
|-----------------------------------|---------------------|--------------------------|-----------------|---------------------|------|--------------------------------|
| NUMBER | Nom. Voltage [kV] | Test Current [μ A] | Tolerance [V] | Current [μ A] | | Regulation ^{1/} [V] |
| | | | | Min | Max | |
| SZA45C-12 | 12 | 300 | ±300 | 25 | 1000 | 500 |
| | | | | | | |

NOTE:
 1/ Regulation is Defined as Maximum Change in Voltage from Minimum to Maximum Current.



NOTE: All specifications are subject to change without notification. SCD's for these devices should be reviewed by SSDI prior to release.

DATA SHEET #: Z00006A

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