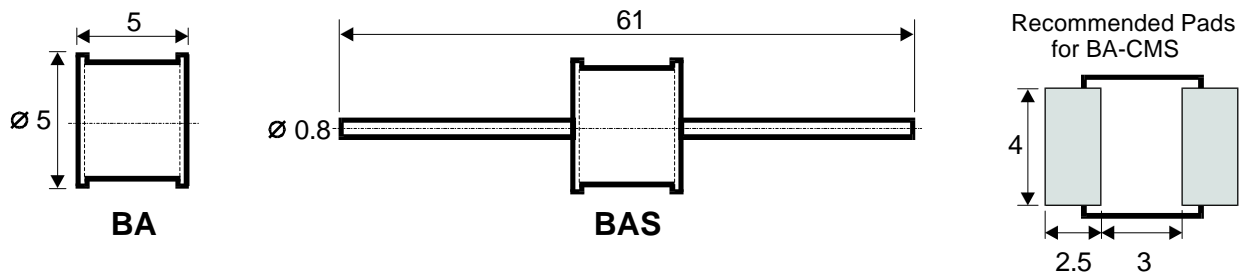


2-Element Surge Arrester Gas Discharge Tubes BA



Note: All dimensions are in millimeters.

The Citel BA Gas Discharge Tubes use non-radioactive technology. They have been designed to protect Telecom and Datacom equipment against lightning surges and electrical transients.

Citel BA Gas Tubes are small and compact and ideal for limited space applications.
Surface mountable versions are also available.

- **Non-radioactive**
- **UL approved**
- **Soldering characteristics comply with CEI 68-2-20 standards.**
- **ISO 9002 certified**
- **SMD compatible (BA-CMS version)**

Electrical Specifications

BA

	BA - 90	BA -150	BA - 230	BA - 350	BA - 400
DC Spark-over voltage (100 V/s):	72-108 V	120-180 V	184-276 V	280-420 V	320-480 V
Tolerance (%):	+/- 20	+/- 20	+/- 20	+/- 20	+/- 20
Impulse Spark-over voltage: (1kV/μs)	< 700 V	< 700 V	< 700 V	< 900 V	< 1100 V
Isolation Resistance: (100 V DC)	> 1G Ω	> 1G Ω	> 1G Ω	> 1G Ω	> 1G Ω
Capacitance: (1 MHz)	< 1 pF	< 1 pF	< 1 pF	< 1 pF	< 1 pF
AC Discharge Current: (50 Hz; 1s; 10 x's)	2.5 A	2.5 A	5 A	2.5 A	2.5 A
Arc Voltage:	< 25 V	< 25 V	< 25 V	< 25 V	< 25 V
Power Handling: (8/20μs- 10 x's)	2.5 kA	2.5 kA	5 kA	2.5 kA	2.5 kA

Note: Other DC sparkover voltages can be offered upon request.

Part No:

Description:

Bare gas tube
With leads
SMD version

Part No:

BA
BAS
BA-CMS

Soldering Methods

The BA-CMS series is designed in compliance with SMD technology like Vapor Phase and Infrared Tunnel. The terminal coating is Sn - Pb with a Nickel barrier.

Recommendations of Soldering:

- The assembly should be pre-heated to about 100°C to minimize the thermal shock.
- The typical solder temperature is 215°C (max. 260°C) and the exposure time at this temperature should not exceed 20 seconds.
- Considering the dimensions of the gas tube, the wave soldering method is not recommended.