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.*



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	> 1 G 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:	Part No:
Bare gas tube	BA
With leads	BAS
SMD version	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.