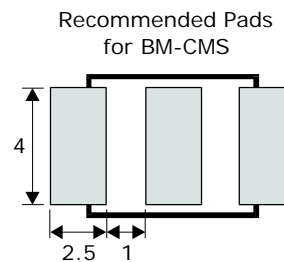
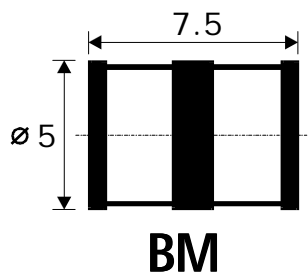


3-Element Surge Arrester Miniature Gas Tubes BM



Note: All dimensions are in millimeters.

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

The BM-CMS version is SMD compatible.

- **Non-radioactive**
- **UL approved**
- **Soldering characteristics comply with CEI 68-2-20 standards.**
- **ISO 9002 certified**

Electrical Specifications

BM

	BM - 90	BM - 150	BM - 230	BM - 350	BM - 500
DC Spark-over voltage (100 V/s):	70-120 V	120-180 V	200-350 V	280-440 V	400-600 V
Tolerance (%):	+/- 20	+/- 20	+/- 20	+/- 20	+/- 20
Impulse Spark-over voltage: (1kV/ms)	<700 V	<700 V	<800 V	<1100 V	<1200 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; 10x's)	5 A	5 A	5 A	5 A	5 A
Arc Voltage:	<25 V	<25 V	<25 V	<25 V	<25 V
Power Handling: (8/20μs- 10 x's)	5 kA	5 kA	5 kA	5 kA	5 kA

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

Part Number

Description:
Bare gas tube
SMD version

Part No:
BM
BM-CMS

Soldering Methods

The BM-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.