Miniature CAN BUS Varistor

Fast Facts

Basic Overview

The CAN BUS varistor is a ZnO based ceramic semiconductor device with non-linear voltage-current characteristics (bi-directional). The miniature 0402 CAN varistor has the added advantage of greater current and energy handling capabilities relative to a diode solution, as well as EMI/RFI attenuation. The 0402 is the smallest discreet offering in the CAN BUS Series.

Positioning

AVX is a leader in circuit protection devices. The 0402 release gives AVX a size advantage offering the smallest footprint varistor designed specifically to meet the reliability requirements of AEC Q200 and the performance requirements of the automotive controlled area network applications.

Unique Features

- High Reliability
- Board space savings
- AEC Q200 qualified
- Meets jump start 27.5V 5min.
- EMI/RFI attenuation in off-state
- Compact 0402 footprint
- Sub 1ns turn on time

Applications

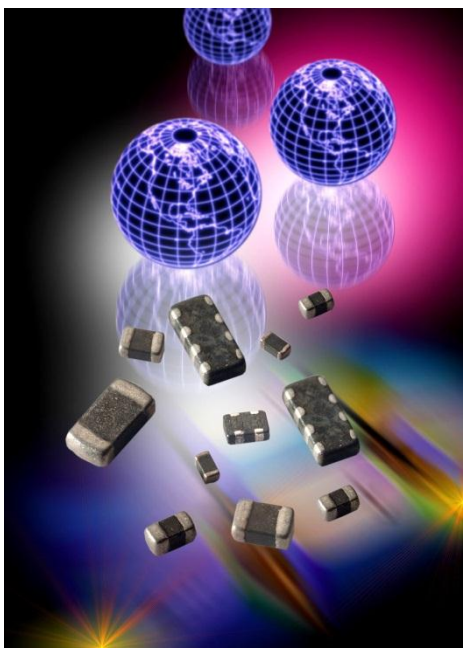
- CAN based modules
- Sensors
- Miniature CAN based nodes

How to Order

CAN	**0005**	**W**	**P**
Style Controlled Area Network Varistor Series	Case Size 0005 = 0402 Discrete	Packaging Code W = 7” reel (10,000pcs)	Termination P = Ni/Sn Alloy (Plated)

Top Selling Points

- Broad offering of automotive qualified circuit protection devices including application specific TransGuard® offerings
- Lowest specified leakage current in its class
- Cost effective one chip solution with board space savings compared to diode solution
- Large inrush current capability to protect against inductive load switching and relay chatter
- Smallest CAN BUS protection device available



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AVX Web Site Link to Data Sheet

http://www.avx.com/docs/Catalogs/canbus.pdf