High Temperature Low Leakage CAN Varistors
CANATL

Catalog Datasheet

http://avx.com/docs/Catalogs/lowleakagemlv.pdf

Scan Code for Datasheet

Or visit: www.avx.com

Basic Overview

AVX High Temperature Low Leakage Multi-Layer Varistors designed for under hood and high temperature applications (such as communication bus, data lines, and other capacitance sensitive applications) where low leakage component is required. Parts are qualified to 150°C.

Positioning

Parts offer the advantages of large in-rush current capability, low capacitance to minimize signal distortion, fast turn on time to conservatively clamp the energy before its maximum and off state EMI filtering through their bulk capacitance. These features coupled with an extremely low FIT rate and excellent process capability make an ideal device for automotive or general circuit protection.

Applications

- Under hood
- High temperature
- Bus Interface Protection
- BCM, TCU
- Capacitance sensitive applications

Top Selling Points

- Rated at 150°C
- AEC Q200 Qualified
- Filtering and bi-directional protection
- ESD rating to 25kV (HBM ESD Level 6)
- Very low leakage
- Low Capacitance

Characteristics and Features

- Operating temp: -55 to +150°C
- 0603 EIA Case Size
- Multiple strikes capability
- Bi-directional
- Excellent solderability

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How to Order

CAN	ATL	07	R	P
Type	**Series**	**Case Size**	**Packaging**	**Termination**
Controlled Area Network Varistor	Automotive High Temperature Low Leakage	07 = 0603	D = 7" (1000 pcs) R = 7" (4,000 pcs) T = 13" (10,000pcs)	P = Ni Barrier/100% Sn

RoHS COMPLIANT

Series Cross

AVX Series	Competitor	Competitor Series
CAN	Epcos	CT, CN
	Panasonic	EZJ
	TDK	AVR

FAQ's

Q: What is the advantage of the AVX High Temperature Low Leakage Communication Bus Varistor?
A: This Varistor is designed for use in temperatures from –55°C to +150°C with no derating, provides bi-directional protection against ESD strikes, very fast response, multiple strikes capability and high reliability. The part offers excellent solderability, Pd/Ag termination parts for hybrid assembly are also available as option upon request.

Q: What is the advantage compared to TVS diodes?
A: AVX Varistors offer smaller size, bi-directional protection, faster response time to ESD, no derating over operating temperature range, multiple strike capability,high reliability and EMI filtering in the off-state so they can replace back-to- back diode and EMC cap.

Q: Are the parts RoHS compliant?
A: Yes.

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