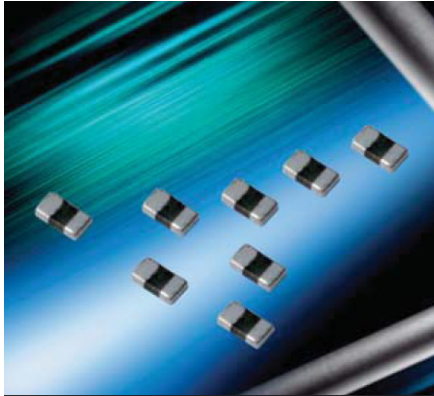


Automotive Sub pF AG Series Varistor **VCASH**



Catalog Datasheet

<http://avx.com/docs/Catalogs/autoSPV.pdf>

Scan Code for Datasheet



Or visit: www.avx.com

Basic Overview

AVX offers ultra-low capacitance ESD protection in the Sub 1pF range for use in automotive circuits that are sensitive to capacitance. The Automotive Sub pF Varistor (ASPV) offers bi-directional overvoltage protection with 0.8pF typ capacitance in 0402 compact SMT package.

Positioning

Designed for modern automotive high speed information systems, capacitance sensitive systems such as touch control and displays, RF applications and more. ASPV devices provide excellent response time to ESD strikes to protect sensitive circuits from over voltage.

Applications

- Antennas, RF circuits
- Optics
- High speed communication bus, HDMI
- Touch screens, touch controls
- Circuits sensitive to capacitance

Top Selling Points

- High Reliability
- AEC Q200 Qualified
- Fast response
- Low insertion loss
- High energy / current rating
- Low profile 0402 size

Characteristics and Features

- Operating temp: -55 to +125°C
- 0402 low profile case
- Multiple strikes capability
- Bi-directional
- Very fast response to ESD
- Excellent solderability

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How to Order

VC	AS	H4	AG	16	0R8	M	A	T	W	A
Varistor Chip	Automotive Series	Case Size Low profile 0402	Series AG Series (Low cap.)	Working Voltage 16 = 16Vdc	Capacitance 0.8pF typ	Capacitance Tolerance M = 20%	N/A	Termination T = Ni/Sn	Reel Size W = 7" reel	Reel Qty A = 10k pcs

Series Cross

AVX Series	Competitor	Competitor Series
VCASH	Epcos	CT0402
	Epcos	CDS2
	TDK	AVRL

FAQ's

Q: What is the advantage of the Automotive Sub pF Varistor?

A: The development of new information processing technologies call for ever increasing digital system speeds. Higher speeds necessitate the use of ultra-low capacitance values in order to minimize signal distortion.

Q: What is the advantage compared to polymeric low capacitance ESD devices?

A: AVX Automotive Sub pF Varistor is based on reliable zinc-oxide varistor technology and provides higher life time and lower signal distortion when submitted to multiple strikes compared to polymer based ESD devices.

Q: Are these parts automotive qualified?

A: Yes, parts are qualified according to the AEC-Q200 for automotive applications.

Q: Are the parts RoHS compliant?

A: Yes.

Contact Information

North America

Edgardo Menendez
Field Application Engineer
TEL: (864) 228-4531
Email: Edgardo.Menendez@avx.com

Europe

Jiri Machanicek
Technical Marketing
TEL: +420 575757-161
Email: JiriMachanicek@avx.com

Asia

Patricia Tan
Product Manager
TEL: +65 6286-7555
Email: patricia.tan@asia.avx.com