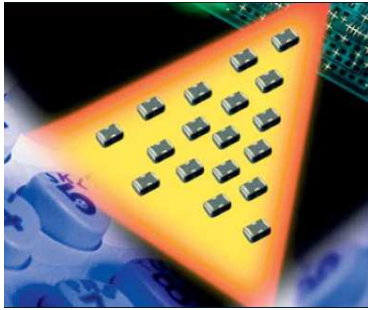


TransFeed Varistors V2F / V2AF



Catalog Datasheet

<http://datasheets.avx.com/AVX-TransFeed.pdf>

Scan Code for Web Page



Or visit: www.avx.com

Basic Overview

The unique combination of multilayer ceramic construction in a feedthru configuration gives the circuit designer a component that responds to transient events faster than any TVS device on the market today, and provides significant EMI attenuation.

Positioning

The TransFeed product is an ideal choice when designers are concerned with both transient voltage protection and EMI attenuation, either due to the electrical performance of their circuits or due to required compliance to specific EMC regulations.

Applications

- Drive by wire
- Electric Mirror
- Power Line Conditioning
- I/O Lines
- LCD Dashboard driver

Top Selling Points

- Filtering and bi-directional protection
- Fastest response to ESD
- Enhanced EMI filtering
- Narrow band, high attenuation filter
- AEC-Q200 qualified (V2AF)

Characteristics and Features

- Operating temp: -55 to +125°C
- 0805 case size
- Multiple strikes capability
- Bi-directional
- Enhanced attenuation
- Excellent solderability

Automotive TransFeed Varistor V2F / V2AF



How to Order

V	2	F	1	05	A	150	Y	2	E	D	P
Varistor	Chip Size	Type	No of Elements	Voltage	Energy	Varistor Clamping Voltage	Capacitance Tolerance	DC Resistance	Feedthru Current	Reel Qty	Term.
	2=0805	F=FeedThru AF=Automotive FeedThru		05=5.6Vdc 09=9.0Vdc 14=14Vdc 18=18Vdc 26=26Vdc	X=0.05J A=0.1J C=0.3J	150 = 18V 200 = 22V 300 = 32V 400 = 42V 500 = 50V 600 = 60V	Y = +100/-50%	1 = 0.150 2 = 0.200 3 = 0.250	D = 0.50A E = 0.75A F = 1.00A G = 0.2-0.3A	D = 1000 R = 4000 T = 10,000	P = Ni/Sn
										pcs/reel	



Series Cross

AVX Series	Competitor	Competitor Series
V2AF	Epcos	CA/CT
	TDK	AVRL

FAQs

- Q: What is the advantage of the AVX TransFeed Varistors?
- A: The unique construction of a TransFeed varistors provides low parallel inductance and offers excellent decoupling capability for all high di/dt environments and provides significant noise reduction in digital circuits while protecting the sensitive circuits against ESD pulses.
- Q: What is the advantage compared to standard MLV?
- A: The TransFeed varistor provides wider and deeper filtering response compared to standard MLV and offers fastest response time to ESD (<0.2ns).
- Q: Are these parts automotive qualified?
- A: The Automotive series TransFeed varistors (V2AF) are AEC-Q200 qualified.

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