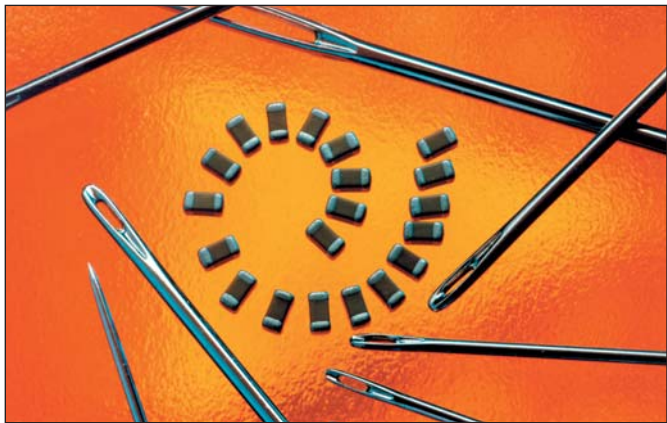


Automotive Varistor for Automotive Applications



GENERAL DESCRIPTION

The VC0015 Automotive Varistor is low capacitance version of the TransGuard Automotive Series parts. The low capacitance makes this products suitable for use in high speed data transmission lines.

FEATURES

- AEC Q200 Qualified
- Multi-strike capability
- Sub 1nS response to ESD strike

HOW TO ORDER

VC

Style

VC = Varistor

0015

Case Size

0015 = 0603 (75pF Max)

D

Packaging Code (Reel Size)

D = 7" (1,000 pcs.)
R = 7" (4,000 pcs.)
W = 13" (10,000 pcs.)

P

Termination

P = Ni/Sn Alloy (Plated)

ELECTRIAL CHARACTERISTICS

AVX Part Number	Working Voltage (DC)	Working Voltage (AC)	Clamping Voltage	Test Current For V _c	Maximum Leakage Current	Transient Energy Rating	Peak Current Rating	Max Cap	Size
VC0015 __	≤18.0	≤14.0	50	1	10	0.05	30	75	0603

- V_w (DC)

DC Working Voltage (V)
- V_w (AC)

AC Working Voltage (V)
- V_c

Clamping Voltage (V @ I_{vc})
- I_{vc}

Test Current for V_c (A, 8x20μS)
- I_L

Maximum Leakage Current at the Working Voltage (μA)
- E_t

Transient Energy Rating (J, 10x1000μS)
- I_p

Peak Current Rating (A, 8x20μS)
- Cap

Max Capacitance (pF) @ 1MHz and 0.5 V_{RMS}