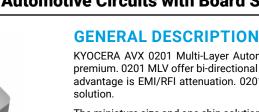
# Miniature 0201 Automotive MLV

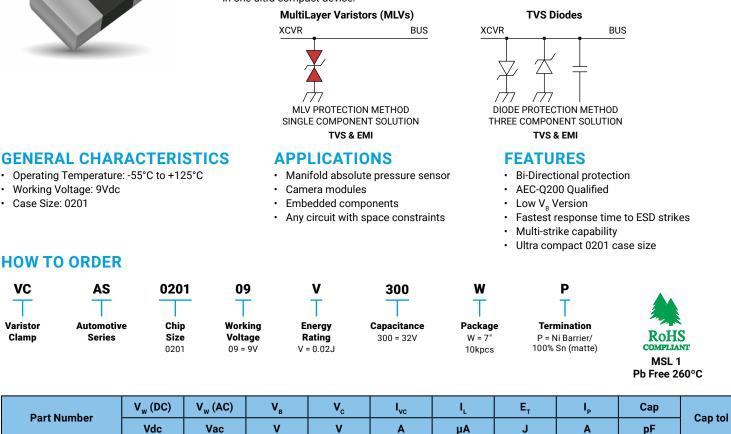
## **ESD Protection for Automotive Circuits with Board Space Constraints**



#### KYOCERA AVX 0201 Multi-Layer Automotive Varistors are designed for circuits where board space is a premium. 0201 MLV offer bi-directional ESD protection in the smallest package available today. The added advantage is EMI/RFI attenuation. 0201 MLV can replace 2 diodes and the EMC capacitor for a one chip

The miniature size and one chip solution team to offer designers the best in ESD protection and EMI filtering in one ultra compact device.

🔇 КУОСЕRа



V<sub>w</sub>(DC) DC Working Voltage [V]

VCAS020109V300WP

•

•

V<sub>w</sub>(AC) AC Working Voltage [V]

V<sub>B</sub> Breakdown Votage [V @ 1mADC]

9.0

6.4

16.5±10%

32

I,

E,

I,

1

 $V_{c}$ Clamping Votage [V @ IVC]

Test Current for VC [A, 8x20µS]  $I_{vc}$ 

Maximum leakage current at the working voltage [µA]

0.02

5

30

±40%

Transient Energy Rating [J, 10x1000µS]

Peak Current Rating [A, 8x20µS]

10

Cap Capacitance [pF] @ 1KHz specified and 0.5V<sub>RMS</sub>

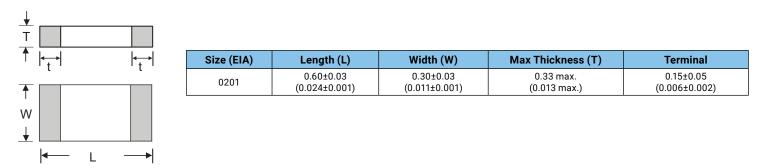
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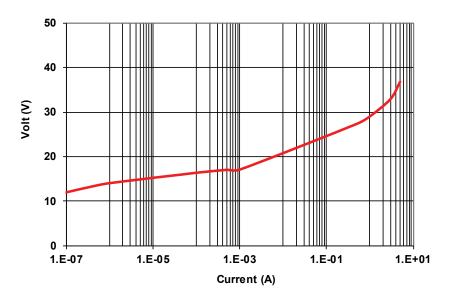
## **Miniature 0201 Automotive MLV**



#### PHYSICAL DIMENSIONSL: mm (inches)



### **VOLTAGE/CURRENT CHARACTERISTICS**



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