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Vishay Introduces New VCAN24A2-HT5 ESD Protection Diode in the DFN1110-3A Package

Vishay Automotive Grade VCAN24A2-HT5 ESD protection diode in the DFN1110-3A package is a bidirectional device that clamps positive and negative overvoltage transients to the ground. Connected between the signal or data line and the ground, the ESD diode offers high isolation with low leakage current and capacitance within the specified working range. The VCAN24A2-HT5 is also available in an AEC-Q101 qualified version.

Device Specification Table:

No.	Device name / ordering code	Package	Type	V _{RWM}	Capacitance
1	VCAN24A2-HT5-G3-08	DFN1110-3A	Commercial	± 24 V	5 pF
2	VCAN24A2-HT5HG3-08	DFN1110-3A	AEC-Q101	± 24 V	5 pF

Features for VCAN24A2:

- For CAN FD bus applications
- Small DFN1110-3A package
- 2-line ESD protection
- Working range of ± 24 V
- Low leakage current I_R of < 0.05 µA
- Low load capacitance typical C_D of < 6 pF (at V_R = 5 V)
- ESD protection according to IEC 61000-4-2
 - ± 30 kV contact discharge
 - ± 30 kV air discharge
- ESD capability according to AEC-Q101:
 - Human body model: class H3B: > 8 kV
- AEC-Q101 qualified version available
- Automated optical inspection (AOI) capable

Samples:

Request a Sample

- [VCAN24A2-HT5](#)



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