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# Vishay Releases New VCAN36A2 ESD Protection Diode in the SOT-23 and SOT-323 Packages, and VLIN3333 ESD Protection Diode in the SOD-323 Package

Vishay's new VCAN36A2 in the SOT-23 and SOT-323 package sizes, and VLIN3333 in the SOD-323 package size, are bidirectional ESD protection devices that clamp positive and negative overvoltage transients to the ground. Connected between the signal or data line and the ground, the ESD diodes offer high isolation with low leakage current and capacitance within the specified working range. The VCAN36A2 and VLIN3333 are also available in AEC-Q101 qualified versions.

**Device Specification Table:**

No.	Device name / ordering code	Package	Type	V <sub>RWM</sub>	Capacitance
1	<a href="#">VCAN36A2-03S-E3-08</a>	SOT-23	Commercial	± 36 V	8 pF
2	<a href="#">VCAN36A2-03S-E3-18</a>	SOT-23	Commercial	± 36 V	8 pF
3	<a href="#">VCAN36A2-03SHE3-08</a>	SOT-23	AEC-Q101	± 36 V	8 pF
4	<a href="#">VCAN36A2-03SHE3-18</a>	SOT-23	AEC-Q101	± 36 V	8 pF
5	<a href="#">VCAN36A2-03G-E3-08</a>	SOT-323	Commercial	± 36 V	8 pF
6	<a href="#">VCAN36A2-03G-E3-18</a>	SOT-323	Commercial	± 36 V	8 pF
7	<a href="#">VCAN36A2-03GHE3-08</a>	SOT-323	AEC-Q101	± 36 V	8 pF
8	<a href="#">VCAN36A2-03GHE3-18</a>	SOT-323	AEC-Q101	± 36 V	8 pF
9	<a href="#">VLIN3333-02G-E3-08</a>	SOD-323	Commercial	± 33 V	11 pF
10	<a href="#">VLIN3333-02GHE3-08</a>	SOD-323	Commercial	± 33 V	11 pF
11	<a href="#">VLIN3333-02G-E3-18</a>	SOD-323	AEC-Q101	± 33 V	11 pF
12	<a href="#">VLIN3333-02GHE3-18</a>	SOD-323	AEC-Q101	± 33 V	11 pF



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### Features for VCAN36A2:

- For CAN and FLEX bus applications
- Small SOT-23 / SOT-323 packages
- 2-line ESD protection
- Working range of  $\pm 36$  V
- Low leakage current  $I_R$  of  $< 0.05$   $\mu$ A
- Low load capacitance typical  $C_D$  of  $< 10$  pF
- ESD protection according to IEC 61000-4-2
  - $\pm 30$  kV contact discharge
  - $\pm 30$  kV air discharge
- ESD capability according to AEC-Q101:
  - Human body model: class H3B:  $> 8$  kV
- AEC-Q101 qualified versions available
- Soldering can be checked by standard vision inspection (AOI = automated optical inspection)

### Features for VLIN3333:

- For LIN bus applications
- Small SOD-323 package size
- 1-line ESD protection
- Working range of  $\pm 33$  V
- Low leakage current  $I_R$  of  $< 0.05$   $\mu$ A
- Low load capacitance typical  $C_D$  of  $< 13$  pF
- ESD protection according to IEC 61000-4-2
  - $\pm 30$  kV contact discharge
  - $\pm 30$  kV air discharge
- ESD capability according to AEC-Q101:
  - Human body model: class H3B:  $> 8$  kV
- AEC-Q101 qualified version available
- Soldering can be checked by standard vision inspection (AOI = automated optical inspection)

### Samples:

Request a Sample

- [VCAN36A2-03S](#)
- [VCAN36A2-03G](#)
- [VLIN3333-02G](#)



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