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Vishay Extends Operating Temperature Range of VCAN / VLIN Protection Diodes in SOT-323 Package to +175 °C

Vishay has announced that the operating temperature range for its VCAN and VLIN protection diodes in the SOT-323 package has increased from +150 °C to +175 °C. Available with AEC-Q101 qualification, the devices offer high thermal performance and high isolation with low leakage current and small capacitance within the specified working range.

Device Specification Table:

No.	Device name / Ordering code	Package	Type	V _{RWM}	Capacitance
1	VCAN16A2-03G-E3-08	SOT-323	Commercial	± 16 V	15.5 pF
2	VCAN16A2-03G-E3-18	SOT-323	Commercial	± 16 V	15.5 pF
3	VCAN16A2-03GHE3-08	SOT-323	AEC-Q101	± 16 V	15.5 pF
4	VCAN16A2-03GHE3-18	SOT-323	AEC-Q101	± 16 V	15.5 pF
5	VCAN26A2-03G-E3-08	SOT-323	Commercial	± 26.5 V	10 pF
6	VCAN26A2-03G-E3-18	SOT-323	Commercial	± 26.5 V	10 pF
7	VCAN26A2-03GHE3-08	SOT-323	AEC-Q101	± 26.5 V	10 pF
8	VCAN26A2-03GHE3-18	SOT-323	AEC-Q101	± 26.5 V	10 pF
9	VCAN33A2-03G-E3-08	SOT-323	Commercial	± 33 V	8.4 pF
10	VCAN33A2-03G-E3-18	SOT-323	Commercial	± 33 V	8.4 pF
11	VCAN33A2-03GHE3-08	SOT-323	AEC-Q101	± 33 V	8.4 pF
12	VCAN33A2-03GHE3-18	SOT-323	AEC-Q101	± 33 V	8.4 pF
13	VCAN36A2-03G-E3-08	SOT-323	Commercial	± 36 V	8 pF
14	VCAN36A2-03G-E3-18	SOT-323	Commercial	± 36 V	8 pF
15	VCAN36A2-03GHE3-08	SOT-323	AEC-Q101	± 36 V	8 pF
16	VCAN36A2-03GHE3-18	SOT-323	AEC-Q101	± 36 V	8 pF



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No.	Device name / Ordering code	Package	Type	V _{RWM}	Capacitance
17	VLIN26A1-03G-E3-08	SOT-323	Commercial	± 26.5 V	10 pF
18	VLIN26A1-03G-E3-18	SOT-323	Commercial	± 26.5 V	10 pF
19	VLIN26A1-03GHE3-08	SOT-323	AEC-Q101	± 26.5 V	10 pF
20	VLIN26A1-03GHE3-18	SOT-323	AEC-Q101	± 26.5 V	10 pF

Samples

Available in VSSC

- [VCAN16A2-03G](#)
- [VCAN26A2-03G](#)
- [VCAN33A2-03G](#)
- [VCAN36A2-03G](#)
- [VLIN26A1-03G](#)

Issued by:

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