



ESD PROTECTION DIODES

IN ULTRA COMPACT DFN PACKAGE WITH WETTABLE FLANKS



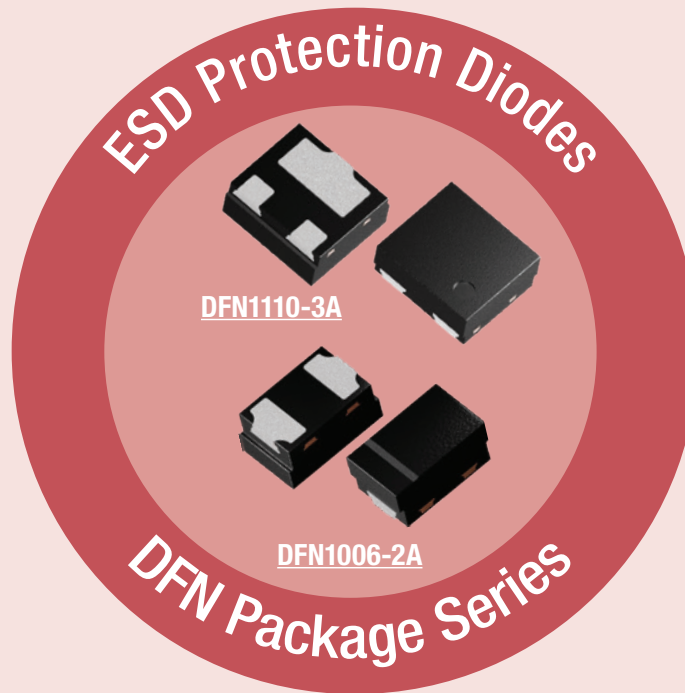
Single-line and 2-line ESD protection diodes

Working range:
± 5.5 V to ± 24 V



Low leakage current:
< 0.1 µA

Operating temperature range:
-55 °C to +150 °C



FEATURES

- Bidirectional symmetrical (BiSy) 2-line in the compact DFN1110-3A package with wettable flanks
- Bidirectional asymmetrical (BiAs) single-line in the compact new DFN1006-2A package with side-wettable terminals
- Due to the short leads and small size of the DFN1006-2A package, the device's line inductance is very low, allowing fast transients such as an ESD strike to be clamped with minimal over- or undershoots
- Saves space over solutions in SOT packages
- Provides protection of high speed data lines against transient voltage signals

APPLICATIONS

ESD protection of high speed interfaces in:



CONSUMER



AUTOMOTIVE

Vishay P/N	V _{RWM} (V) Bidirectional	I _R (µA)	C _D (pF)	Contact Discharge (kV)	Air Discharge (kV)
VBUS05M2-HT5	± 5.5	< 0.05	< 0.45	± 20	± 20
VCAN24A2-HT5	± 24	< 0.05	< 6	± 30	± 30
VCUT0714BHD1	± 7 to ± 14	< 0.1	< 8.5	± 25	± 30

For technical questions: DiodesAmericas@vishay.com, DiodesEurope@vishay.com, or DiodesAsia@vishay.com