



The DNA of tech.™

Single-Line Bidirectional Symmetrical (BiSy) ESD Protection Diodes

VLIN Series for Automotive Networks Such as LIN-BUS Offer Working Range of $\pm 16\text{ V}$ or $\pm 26\text{ V}$



ADVANTAGE

Low leakage current of $< 0.05\ \mu\text{A}$ minimizes circuit power consumption; strong ESD immunity and low capacitance across full voltage and temperature operating range

KEY PRODUCT FEATURES

- ✓ Compact DFN1006-2B package with low height $< 0.5\text{ mm}$ and side-wettable flanks
- ✓ Low capacitance down to $\text{typ.}: < 13.7\text{ pF}$
- ✓ ESD immunity acc. IEC 61000-4-2 air and contact discharge: $\pm 30\text{ kV}$
- ✓ Operating temperature range: $-55\text{ }^\circ\text{C}$ to $+150\text{ }^\circ\text{C}$
- ✓ AEC-Q101 qualified available



RESOURCES



MARKETS AND APPLICATIONS



MOBILITY

- Automotive
- Automotive electrification
- Automotive intelligence
- Micro mobility
- Transportation
- Agricultural equipment



INDUSTRIAL

- Automation
- Drives and tools
- Infrastructure
- Home and building controls