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ESD Protection Diodes in Ultra Compact Chip Level Package (CLP)

VBUS and VCUT Series Offer $\pm 3.3\text{ V}$ to $\pm 15\text{ V}$ Working Range and $< 0.05\ \mu\text{A}$ Low Leakage Current in CLP Package

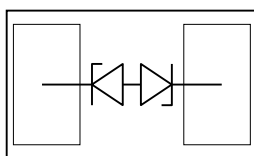
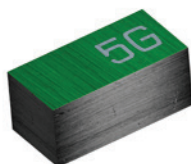
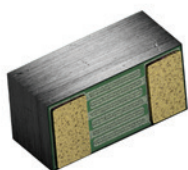
ADVANTAGE



Low profile CLP package for space-constrained applications. The VBUS series offer ultra-low capacitance while the VCUT series offers high ESD immunity at the same operating range

KEY PRODUCT FEATURES

- ✓ Bidirectional symmetrical (BiSy) single line ESD protection diode
- ✓ Ultra compact CLP0603-2L package with low profile - small dimensions of 0.6 mm x 0.3 mm with typ. height of 0.28 mm
- ✓ Low capacitance down to $< 0.4\text{ pF}$
- ✓ Operating temperature range: $-55\text{ }^\circ\text{C}$ to $+150\text{ }^\circ\text{C}$
- ✓ ESD-Immunity acc. IEC 61000-4-2 air and contact discharge: $\pm 15\text{ kV}$ up to $\pm 30\text{ kV}$
- ✓ AEC-Q101 qualified available for VCUT series



MARKETS AND APPLICATIONS



CONNECTIVITY

- Telecom mobile devices



CONSUMER

- Entertainment - gaming, VR glasses, earphones
- Health and care - fitness trackers, hearing aids



MOBILITY

- Automotive - telematics (network access device), LTE trackers, heads up and LCD displays



INDUSTRIAL

- Automation - smart meters
- Drives and tools
- Home and building controls



COMPUTER

- Computer - PCs, notebooks, portable computers, tablets
- Peripherals - data storage, SSDs

RESOURCES

