




**Robust & Reliable solutions
for Automotive & IoT**









Automotive series SSD **withstands overcurrent / overvoltage spikes** with protected circuit design.



PLP design protects data in storage devices against sudden power loss. **No DATA Loss.**



Thermal throttling technology enables the dynamically adjust design parameters to adapt to changes in the environment.



p-SLC solution provides **faster speed and greater endurance (10 times more endurance than that of MLC)**. Characteristics of p-SLC are similar to SLC NAND, but are a much more **cost-effective solution.**

INSIGNIS Automotive Solid State Drive

TECHNOLOGY CORPORATION

Application

- ✓ Navigation map and entertainment data (music and video)
- ✓ ADAS surround view recording
- ✓ In-Vehicle data recording
- ✓ Autonomous car black box recording
- ✓ Buffer for autonomous 3D high resolution map
- ✓ Buffer for connected car applications

Form Factor and Capacity

- ✓ M.2 2260: 32/64/128 GB
- ✓ 2.5" 7 /9.5mm: 64GB to 1TB
- ✓ mSATA MO-300: 4/8/16/32/64/128/256 GB

Interface

- ✓ SATA III 6Gb/s

Operational Temperature

- ✓ - 40°C to + 85°C

Voltage

- ✓ 3.3V for M.2 and mSATA
- ✓ 5.0V for 2.5"

Advanced features

- ✓ Inbuilt **surge protection** against over voltage
- ✓ Excellent **robustness** against Shock & Vibration
- ✓ **Wide operational temperature range**
- ✓ Temperature detection & monitoring
- ✓ Thermal throttling
- ✓ Trim function support
- ✓ AES 256 encryption
- ✓ Self-Monitoring and Reporting Technology (**SMART**)
- ✓ Optimized for Automotive, IOT, and Industrial applications

Optional features

- ✓ Power Loss Data Protection (PLP)
- ✓ p-SLC

Compliance

- ✓ CE, FCC, BSMI, C-Tick, Kcc, RoHS, TUV, UL, SATA-IO
- ✓ ISO/TS16949 certified

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