

SUPER INDUSTRIAL™ Solutions



rethink the possibilities™



When standard commercial or standard industrial devices do not meet product performance requirements, Central Semiconductor's **SUPER INDUSTRIAL™** products are the perfect solution.

what is SUPER INDUSTRIAL™

Super Industrial™ devices are upgraded versions of standard commercial and industrial products.

Enhancements may include:

- Upgraded device specifications (e.g., peak current enhanced from 600mA to 1A)
- Wider temperature ranges (e.g., from [-55°C to 150°C] to [-65°C to 175°C])
- Ruggedized construction:
 - Custom or semi-custom packaging
 - Enhanced interconnect
 - Enhanced wafer metallization
- Integrated technologies / Multi Discrete Modules (MDM™)
- Up-screening to insure high reliability

SUPER INDUSTRIAL™ benefits

- Improves end product tolerance to extreme environmental conditions
- Improves product reliability
- Provides an alternative to standard industrial or military devices

SUPER INDUSTRIAL™ devices:

- Transistors
- Diodes
- TVS
- MOSFETs/JFETs
- Rectifiers
- Thyristors

example of a SUPER INDUSTRIAL™ solution:

Issue: Customer's product was subjected to extreme environmental conditions and a high number of failures occurred using a commercial discrete device.

Solution: Central developed a new custom packaged device with improved electrical characteristics and enhanced interconnects to eliminate failures from extreme environmental conditions.

enhanced packages:



If you require **SUPER INDUSTRIAL™** devices, contact Central today:

1.631.435.1110 or www.centrasemi.com/super-industrial