



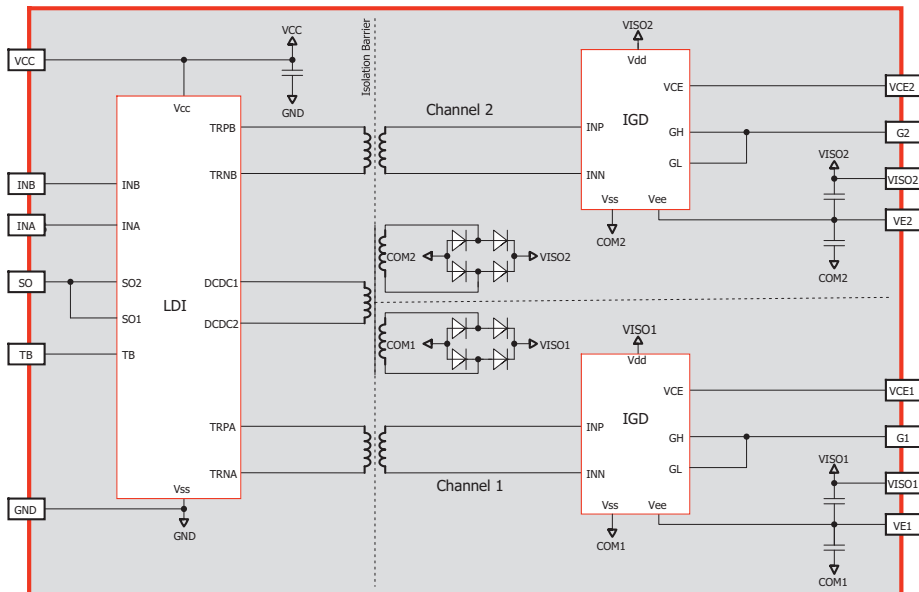
SCALE-2® IGBT-Driver Cores

2SC0106T –

Designed specifically for 10-75kVA Inverter Designs;
full Certification at lowest Cost

New Dual-Channel gate driver core dedicated to inverter designs in the power range of 10-75kVA. The 2SC0106T drives 600V to 1200V IGBTs with collector currents up to 450A and switches at frequencies up to

20kHz. UL-recognized under E321757 for UL508C and E346491 for UL60950-1, and approved for Safe Torque Operation (STO), the 2SC0106T is ideally suited for servo drives.



KEY BENEFIT

Cost effective high-performance alternative to opto-coupler based solution with safe isolation and no parameter degradation.

KEY FEATURES

- Dual-Channel driver core for up to 1200V
- $\pm 6A$ gate current, $+15V/-10V$
- 1W @ 85°C per channel
- On-board power supply
- High reliability (reduced component count)
- First-class isolation technology
- Partial-discharge-tested isolation technology
- Delay time <100ns, up to 20kHz
- Isolation coordination according to IEC 61800-5-1 and IEC 60664-1
- UL recognition (E321757 for UL508C and E346491 for UL60950-1)
- $-20^{\circ}C$ to $+85^{\circ}C$ ($105^{\circ}C$ with derating)
- RoHS compliant

APPLICATIONS

- Industrial Motor Drives
- UPS
- Solar



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