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Microchip introduces OEM-compliant, automotive certified LIN/SAE J2602 transceivers



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Product Newsletter



STMicroelectronics presents a new ultra fast 600V HF IGBT



STMicroelectronics has introduced a new ultra fast 600V HF IGBT-family, which is based on a new advanced PT Planar Technology.

The innovative Double-Drift Process, thanks to a new doping profile, significantly reduces the effective resistance in the drift region and improves the dynamic performance. The Advanced Planar Strip Layout leads to a more stable and controlled performances, especially at high temperature.

Key features

- Operating frequency over 100kHz
- Improved Eoff at elevated temperature
- Minimal tail current
- Low switching and conduction losses
- Anti-parallel diode tailored to topology:
- Ultra Fast (D) for hard switching (UPS, SMPS, PV and Welding)
- Low Drop Soft Recovery (DI) for resonant, quasi-resonant or soft switching (Induction Cooker, Welding)
- Lower Rth (TO-247 LL pack vs TO-247)

Main benefits vs previous generation (NC):

- VCE(sat) classified for easy parallel connection
- Lower VCE(sat) (-10%)
- Lower turn-off losses (10% less)
- Lower Eoff(max) (-25%) at high temperature

Targeted applications






- Welding
- Induction Cooker
- PV Converter
- UPS
- SMPS


For more information, or details on the full range of STMicroelectronics products available from Anglia, please call +44 (0)1945 474747 or email info@anglia.com

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