



Market News

TRENCHSTOP™ Performance IGBT enhances energy efficiency for home appliance and industrial applications

Munich, Germany – April 28, 2016 – Infineon Technologies AG (FSE: IFX / OTCQX: IFNNY) today launched the new 600 V TRENCHSTOP™ Performance IGBT delivering the next level of efficiency. The new discrete IGBT provides high energy efficiency and reliability at a competitive price point for applications like air conditioning, solar PV inverters, drives and uninterruptible power supply (UPS). Based on Infineon's TRENCHSTOP technology, the new IGBT is optimized for hard switching topologies working at frequencies of up to 30 kHz. The new TRENCHSTOP Performance IGBT series combines the best trade-off between conduction and switch-off energy losses with outstanding robustness, 5 µsec short circuit capability and excellent electromagnetic interference (EMI) behaviour.

Easy redesign – next level efficiency

The 600 V TRENCHSTOP Performance is an attractive alternative to the predecessor TRENCHSTOP IGBT from Infineon as well as to competing products. In a plug-and-play replacement the new TRENCHSTOP Performance IGBT yields reduced losses of 7 percent at switching frequency of 8 kHz. An unmatched 11 percent lower total loss is delivered for switching frequency of 15 kHz. Making use of the same packages, redesigns for higher efficiency and competitive cost can be realized easily, fast and with low efforts. The 600 V TRENCHSTOP Performance IGBT contributes to more energy efficient power consumption, higher reliability and longer operational lifetime of the application. For end consumers this translates into a lower electricity bill, sustainability and environmental protection.

Availability

The TRENCHSTOP Performance IGBT is available now. Further information is available at www.infineon.com/trenchstop-performance

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Media Relations:
Worldwide Headquarters
U.S.A.
Asia
Japan
Investor Relations

Name:
Fabian Schiffer
Sian Cummings
Chi Kang David Ong
Yoko Sasaki
EU/APAC/USA/CAN

Phone:
+49 89 234 25869
+1 310 252 7148
+65 6876 3070
+81 3 5745 7340
+49 89 234 26655

Email:
fabian.schiffer@infineon.com
sian.cummings@infineon.com
david.ong@infineon.com
yoko.sasaki@infineon.com
investor.relations@infineon.com