

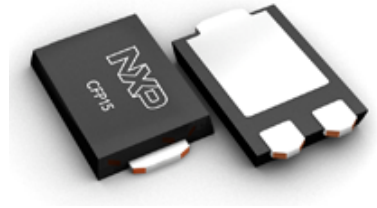
Our first Trench Schottky rectifier in CFP15

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We have just released our first medium-power Schottky rectifier PMEG45T15EPD with Trench technology in CFP15 (SOT1289) FlatPower package. Due to the Trench process, the new type offers a very low reverse current of only 30 μ A. The voltage drop value remains about the same compared to planar types. Furthermore, it delivers a reverse voltage of 45 V and a average forward current of 15 A.

The rectifier is housed in an ultra-thin CFP15 package, with a package height of only 0.78 mm, integrated clip-bond technology and a large heat sink. It is capable of temperatures up to 150 °C. This makes it highly suitable for applications such as high-efficiency low-power adapter, especially at high operating temperatures.

The new Trench type expands the earlier released planar portfolio of medium-power Schottky rectifiers in CFP15. The expansion of our portfolio will continue with the release of our first automotive qualified Trench type in September.



Download datasheets

[PMEG45T15EPD](#)

Key features and benefits

Average forward current: $I_F(AV) \leq 15$ A

Reverse voltage: $V_R \leq 45$ V

Low forward voltage, V_F typ = 480 μ A (@ 15 A)

Low leakage current, I_R typ = 30 μ A (@ 45 V) due to Trench MEGA Schottky technology

High-power capability due to clip-bonding technology and heat sink

Small and thin SMD power plastic package, typical height 0.78 mm

Key applications

High-efficiency DC-to-DC conversion

Switch mode power supply

Freewheeling application

Reverse polarity protection

Low power consumption application

Related links

[PMEG45T15EPD datasheet](#)

[PMEG45T15EPD product information page](#)

[High-efficiency medium-power Schottky rectifier leaflet](#)

[CFP15 – Ultra-thin FlatPower package series page](#)

[CFP15 \(SOT1289\) package information page](#)