

## World-thinnest medium-power Schottky rectifiers

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We have just released six new medium-power 5-15A Schottky rectifiers (PMEGxEDP) in the CFP15 FlatPower package. Delivering ultra-low forward voltages and high current density in the thinnest package available (0.78 mm), these rectifiers are ideal for use in smartphone and tablet chargers.

### Key features and benefits

Average forward current:  $I_{F_{AV}} \leq 5-15 \text{ A}$

Reverse voltage:  $V_R \leq 45-60 \text{ V}$

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

Small, thin SMD power plastic package, with height of 0.78 mm (typ) compared to 1.1 mm of competitor products

Automatic optical inspection of solder joint due to tin-plated lead ends

AECQ-101 qualified

### Key applications

Low-voltage rectification

High-efficiency DC-to-DC conversion

Switch-mode power supply (SMPS)

Freewheeling applications

Reverse-polarity protection

Low-power applications

### Related links

[CFP15 medium-power rectifiers family](#)

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

[CFP15 product brochure](#)