

New FlatPower, low leakage Schottky rectifiers

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We have released ten AEC-Q101 qualified low leakage Schottky barrier rectifiers in the FlatPower SOD123W and SOD128 packages. These rectifiers offer a reverse voltage of 60 V and 100 V and average forward currents of 1 A, 2 A and 3 A. They also offer a low reverse current of 1 μ A max, as well as low forward voltage drops down to 660 mV.

Thanks to clip-bond technology, FlatPower packages offer higher power capabilities on a small footprint of only 2.6 x 1.7 mm (SOD123W) and 3.8 x 2.5 mm (SOD128). Together with a height of only 1 mm, the small package size makes these devices especially suitable for designs where high performance in limited space is needed.

The Schottky barrier rectifiers offer a reduced leakage current, even at high temperatures. This makes them ideal for automotive applications such as airbags, ABS and engine control systems.



Download datasheets

[60 V, 1 A, PMEG6010ELR in SOD123W](#)
[60 V, 2 A, PMEG6020ELR in SOD123W](#)
[60 V, 2 A, PMEG6020AELR in SOD123W](#)
[60 V, 2 A, PMEG6020AELP in SOD128](#)
[60 V, 3 A, PMEG6030ELP in SOD128](#)
[100 V, 1 A, PMEG10010ELR in SOD123W](#)
[100 V, 2 A, PMEG10020ELR in SOD123W](#)
[100 V, 2 A, PMEG10020AELR in SOD123W](#)
[100 V, 2 A, PMEG10020AELP in SOD128](#)
[100 V, 3 A, PMEG10030ELP in SOD128](#)

Key features and benefits

Reverse voltage $V_R \leq 60$ V and 100 V
Average forward current $I_F(AV) \leq 1 - 3$ A
Low reverse current $I_R \leq 1$ μ A at 60 V and 100 V
Low forward voltage V_F
AEC-Q101 qualified
High temperature applications up to 175°C

Key Applications

Polarity protection
Automotive application
SMPS / DC-to-DC converters
High temperature application

Related links

[Medium Power Schottky rectifiers](#)
[SOD128 Package Information Page](#)
[SOD123W Package Information Page](#)