

Product Overview

FDMF8811: High Performance 100V Bridge Power Stage (BPS) Module

For complete documentation, see the data sheet.

The 100V Bridge Power Stage (BPS) Module is a fully optimized, compact, integrated MOSFET plus driver power stage solutions for high current DC-DC switching applications. The FDMF8811 integrates a driver IC, two power MOSFETs and a bootstrap diode into a thermally enhanced, compact 6.0 mm x 7.5 mm PQFN package. The PQFN packaging ensures low package resistance improving the current handling capability and performance of the part.

With an integrated approach, the complete switching power stage is optimized with regards to driver and MOSFET dynamic performance, system parasitic inductance, and Power MOSFET RDS(ON). The FDMF8811 uses high performance PowerTrench™ MOSFET technology, which reduces switch ringing in converter applications. The driver IC features low delay time and matched PWM input propagation delays, which further enhance the performance of the part.

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	V _{CIN} (V) Typ	V _{IN} (V) Typ	PWM Level	I _O (A) Max	f _{max} (MHz) Max	Package Type
FDMF8811	2.6666	Pb-free Halide free non AEC-Q and PPAP	Active						PQFN-36

For more information please contact your local sales support at www.onsemi.com.

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