

Product Overview

FDB8447L: N-Channel PowerTrench® MOSFET, 40V, 50A, 8.5mΩ

For complete documentation, see the data sheet.

This N-Channel MOSFET has been produced using a proprietary PowerTrench® technology to deliver low RDS(on) and optimized BVDSS capability to offer superior performance benefit in the application.

Features

- Max rDS(on) = 8.5mΩ at VGS = 10V, ID = 14A
- Max rDS(on) = 11mΩ at VGS = 4.5V, ID = 11A
- Fast Switching
- RoHS compliant

Applications

- This product is general usage and suitable for many different applications.

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Channel Polarity	Configuration	V _{DS(BR)} Min (V)	V _{GS} Max (V)	V _{GS(th)} Max (V)	I _D Max (A)	P _D Max (W)	R _{DS(on)} Max @ V _{GS} = 2.5 V (mΩ)	R _{DS(on)} Max @ V _{GS} = 4.5 V (mΩ)	R _{DS(on)} Max @ V _{GS} = 10 V (mΩ)	Q ₃ Typ @ V _{GS} = 4.5 V (nC)	Q ₃ Typ @ V _{GS} = 10 V (nC)	C _{iss} Typ (pF)	Package Type
FDB8447L	0.733	Pb-free Halide free non AEC-Q and PPAP	Active	N-Channel	Single	40	±20	3	50	60	-	11	11	-	37	1970	D2P AK-3 / TO- 263- 2

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

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