

## Product Overview

### FDP2572: N-Channel PowerTrench® MOSFET 150V, 29A, 54mΩ

For complete documentation, see the data sheet.

N-Channel PowerTrench® MOSFET 150 V, 29 A, 54 mΩ

#### Features

- $R_{DS(on)} = 45\text{m}\Omega$  (Typ.) @  $V_{GS} = 10\text{V}$ ,  $I_D = 9\text{A}$
- $Q_{G(tot)} = 26\text{nC}$  (Typ.) @  $V_{GS} = 10\text{V}$
- Low Miller Charge
- Low  $Q_{rr}$  Body Diode
- UIS Capability (Single Pulse and Repetitive Pulse)
- Qualified to AEC Q101

#### Applications

- AC-DC Merchant Power Supply
- Motion Control - Industrial Motor
- Other Industrial
- Uninterruptible Power Supply

#### Part Electrical Specifications

Product	Compliance	Status	Chan- nel Polar- ity	Confi- gura- tion	$V_{BRD}^{SS}$ 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)	$Q_g$ Typ @ $V_{GS} =$ 4.5 V (nC)	$Q_g$ Typ @ $V_{GS} =$ 10 V (nC)	$C_{iss}$ Typ (pF)	Pack- age Type
FDP2572	Pb-free	Active	N- Chan- nel	Singl- e	150	±20	4	29	135	-	-	54	-	26	1770	TO- 220-3

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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