

## Product Overview

### FDD13AN06\_F085: N-Channel PowerTrench® MOSFET, 60V, 50A, 13.5mΩ

For complete documentation, see the data sheet.

N-Channel PowerTrench® MOSFET, 60V, 50A, 13.5mΩ

### Features

- $r_{DS(ON)} = 11.5\text{m}\Omega$  (Typ.),  $V_{GS} = 10\text{V}$ ,  $I_D = 50\text{A}$
- $Q_g(\text{tot}) = 22\text{nC}$  (Typ.),  $V_{GS} = 10\text{V}$
- Low Miller Charge
- Low QRR Body Diode
- UIS Capability (Single Pulse and Repetitive Pulse)
- Qualified to AEC Q101
- RoHS Compliant

### Applications

- Infotainment
- Portable Navigation
- Infotainment
- Other
- Power Train

### 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 @ $V_{GS} = 2.5\text{V}$ (mΩ)	$R_{DS(on)}$ Max @ $V_{GS} = 4.5\text{V}$ (mΩ)	$R_{DS(on)}$ Max @ $V_{GS} = 10\text{V}$ (mΩ)	$Q_g$ Typ @ $V_{GS} = 4.5\text{V}$ (nC)	$Q_g$ Typ @ $V_{GS} = 10\text{V}$ (nC)	$C_{iss}$ Typ (pF)	Package Type
FDD13AN06A0-F085		AEC Qualified PPAP Capable Pb-free	Active	N-Channel		60	±20	4	50	115	-	-	13.5	-	22	1350	DPAK-3 / TO-252-3

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

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