

## Product Overview

### SI3457DV: Single P-Channel Logic Level PowerTrench® MOSFET -30V, -4A, 50mΩ

For complete documentation, see the data sheet.

This P-Channel Logic Level MOSFET is produced using Fairchild's advanced PowerTrench process. It has been optimized for battery power management applications.

### Features

- -4 A, -30 V.
- $R_{DS(ON)} = 50 \text{ m}\Omega$  @  $V_{GS} = -10 \text{ V}$
- $R_{DS(ON)} = 75 \text{ m}\Omega$  @  $V_{GS} = -4.5 \text{ V}$
- Low gate charge
- High performance trench technology for extremely low  $R_{DS(ON)}$

### Applications

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

### Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	$V_{SS}^{(BR)D}$ 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
SI3457DV	Pb-free Halide free	Active	P-Channel	Single	-30	25	-3	-4	1.6	-	75	50	-	6	470	TSO T-23-6

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

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