



## Product Overview

### EMH2417R: N-Channel Power MOSFET, 12V, 11A, 10mΩ, Dual EMH8 Common Drain

For complete documentation, see the data sheet

#### Product Description

EMH2417R is N-Channel Power MOSFET, 12V, 11A, 10mΩ, Dual EMH8 Common Drain for LiB charging and discharging switch.

#### Features

- 2.5V drive
- Common-drain type
- Protection diode in
- Halogen free compliance

#### Benefits

- Suited for Li-Ion battery pack protection circuit(1cell, 2cell)
- Best suited for Li-Ion battery pack protection circuit
- Stronger to ESD
- Environmental consideration

#### Applications

- Lithium-ion battery charging and discharging switch

#### End Products

- lithium ion battery - Smart Phone, Cell Phone, Tablet PC, Digital still camera, etc.

#### Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	$V_{DS(sat)}$ (V)	$V_{GS}$ (V)	$V_{GS(th)}$ (V)	$I_D$ (A)	$P_D$ (W)	$r_{DS(on)}$ (mΩ)	$r_{DS(on)}$ (mΩ)	$r_{DS(on)}$ (mΩ)	$Q_g$ (nC)	$Q_g$ (nC)	$Q_{gd}$ (nC)	$Q_{rr}$ (nC)	$C_{iss}$ (pF)	$C_{oss}$ (pF)	$C_{rss}$ (pF)	Packaging Type
EMH2417R-TL-H	Pb-free Halide free	Active	N-Channel	Dual	12	12	1.3	11	1.3	19.6	10		16		5					SO-T-383 FL/EMH-8

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

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