



## Product Overview

### EFC6612R: Power MOSFET, 20V, 5.1mΩ, 23A, Dual N-Channel

For complete documentation, see the data sheet

#### Product Description

EFC6612R is a Power MOSFET, 20V, 5.1mΩ, 23A, Dual N-Channel.

#### Features

- 2.5V drive
- Protection diode in
- Common-drain type
- Halogen free compliance
- 2KV ESD HBM

#### 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	$V_{DS(sat)}$ Min (V)	$V_{GS}$ Max (V)	$V_{GS(th)}$ Max (V)	$I_D$ Max (A)	$P_D$ Max (W)	$r_{DS(on)}$ Max @ $V_{GS}=2.5V$ (m)	$r_{DS(on)}$ Max @ $V_{GS}=4.5V$ (m)	$r_{DS(on)}$ Max @ $V_{GS}=10V$ (m)	$Q_g$ Typ @ $V_{GS}=4.5V$ (nC)	$Q_g$ Typ @ $V_{GS}=10V$ (nC)	$Q_{gd}$ Typ @ $V_{GS}=4.5V$ (nC)	$Q_{rr}$ Typ (nC)	$C_{iss}$ Typ (pF)	$C_{oss}$ Typ (pF)	$C_{rss}$ Typ (pF)	Package Type
EFC6612R-TF	Pb-free Halide free	Active	N-Channel	Dual	20	12	1.3	23	2.5	7.9	5.1		27							CS P-6 / EFCP 3517-6D GH-020

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

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