



Product Overview

ECH8693R: N-Channel Power MOSFET, 24V, 14A, 7mΩ, Dual ECH8 Common Drain

For complete documentation, see the data sheet

Product Description

ECH8693R is N-Channel Power MOSFET, 24V, 14A, 7mΩ, Dual ECH8 Common Drain for general purpose switching applications.

Features

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

Benefits

- Suits 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 for Smart Phone
- lithium ion battery for Cell Phone
- lithium ion battery for Tablet PC
- lithium ion battery for Digital still camera

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
ECH8693R-TL-W	Pb-free Halide free	Active	N-Channel	Dual	24	12	1.3	14	1.4	10.5	7		13		2.4					SO-T-28 FL/EC H-8

For more information please contact your local sales support at www.onsemi.com

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