

## Product Overview

### EFC4K110NUZTDG: Dual N-Channel Power MOSFET 24V, 25A, 2.95mΩ

For complete documentation, see the data sheet.

EFC4K110NUZTDG features a ultra low on-state resistance and high current with small and thin CSP package. It is best suited for 1-2 Cells lithium-ion battery protection circuit.

#### Features

- Low  $R_{DS(on)}$
- Small size and narrow width
- No latch up phenomenon
- Low Gate Charge
- 2kV ESD HBM
- Common Drain Type
- ESD Diode-protected Gate
- RoHS compliance

#### Applications

- 1-2 Cells Lithium-ion Battery Charging and Discharging Switch in battery protection circuit

#### Benefits

- Low power consumption
- It can be mounted on narrow width and small area board
- High durability when abnormal high voltage input
- Ease of drive, faster turn-on

#### End Products

- Smartphone
- Tablet
- Portable equipment

#### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Channel Polarity	Configuration	$V_{(BR)DSS}$ Min (V)	$V_{GS}$ Max (V)	$V_{GS(th)}$ Max (V)	$I_D$ Max (A)	$P_D$ Max (W)	$R_{DS(on)}$ Max @ $V_{GS} = 2.5V$ (mΩ)	$R_{DS(on)}$ Max @ $V_{GS} = 4.5V$ (mΩ)	$R_{DS(on)}$ Max @ $V_{GS} = 10V$ (mΩ)	$Q_g$ Typ @ $V_{GS} = 4.5V$ (nC)	$Q_g$ Typ @ $V_{GS} = 10V$ (nC)	$C_{iss}$ Typ (pF)	Package Type
EFC4K110NUZTDG	0.4	Pb-free Halide free non AEC-Q and PPAP	Active	N-Channel	Dual Common Drain	24	±12	1.3	25	2.5	7.4	2.95		49			WLCSP10 3.2x2.1x0.14

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

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