

EFC4K110NUZTDG

Dual N-Channel Power MOSFET 24V, 25A, 2.95mΩ.

Product Overview

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

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

Applications

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

End Products

- Smartphone
- Tablet
- Portable equipment

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Channel Polarity	Configuration	V _{DS(BR) 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	0.8533		Active	N-Channel	Dual Common Drain	24	±12	1.3	25	2.5	7.4	2.95		49			WL CSP 10 3.2x 2.1x 0.14