

Product Overview

FDMC510P: MOSFET, Power, 20V P-Channel, MLP 3.3x3.3

For complete documentation, see the data sheet.

MOSFET, Power MOSFET, 20V P-Channel, 8mΩ @ 4.5V, 50A, MLP 3.3x3.3

Features

- Ultra Low RDS(on)
- Terminal Lead-Free and Halide Free

Applications

- Battery Management
- Load Switch

Benefits

- Improve system efficiency
- RoHS compliant

End Products

- Cell Phones, Media Tablets, Notebook PCs, Other Portable End Products

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 |
|---------------|-------------------|------------------------|--------|------------------|---------------|-------------------------|--------------------|-------------------------|---------------|---------------|---|---|--|----------------------------------|---------------------------------|--------------------|--------------|
| FDMC510P | 0.56 | Pb-free Halide free | Active | P-Channel | Single | -20 | 8 | -1 | -18 | 41 | 9.8 | 8 | - | 53 | 83 | 5910 | WDFN-8 |
| FDMC510P-F106 | 0.4 | Pb-free Halide free | Active | P-Channel | | -20 | 8 | -1 | -18 | 41 | 9.8 | 8 | - | 53 | 83 | 5910 | WDFN-8 |

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

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