



Product Overview

CPH3457: Power MOSFET 30V 3A 95mOhm Single N-Channel CPH3

For complete documentation, see the data sheet

Product Description

CPH3457 is a N-Channel Power MOSFET, 30V, 3A, 95m , Single CPH3 for General-Purpose Switching Device Application.

Features

- ON-resistance  $R_{DS(on)}$  1=73m (typ)
- 1.8V drive
- Halogen free compliance
- Protection diode in

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 |
|--------------|------------------------|--------|------------------|---------------|-----------------------|------------------|----------------------|---------------|---------------|--------------------------------------|--------------------------------------|-------------------------------------|--------------------------------|-------------------------------|-----------------------------------|-------------------|--------------------|--------------------|--------------------|--------------|
| CPH3457-TL-W | Pb-free<br>Halide free | Active | N-Channel        | Single        | 30                    | 12               | 1.3                  | 3             | 1             | 133                                  | 95                                   |                                     | 3.5                            |                               | 0.93                              |                   | 265                | 35                 | 28                 | CPH-3        |

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