



Product Overview

NTE4151P: Small Signal MOSFET -20V -760mA 360 mOhm Single P-Channel SC-89 with ESD Protection

For complete documentation, see the data sheet

Product Description

Small Signal MOSFET -20 V, -540 mA, Single P-Channel, Gate Zener, SC-75 and SC-89

Features

- Low $R_{DS(on)}$ for Higher Efficiency and Longer Battery Life
- Small Outline Package (1.6 x 1.6 mm)
- SC-75 Standard Gullwing Package
- ESD Protected Gate
- Pb-Free Packages are Available

Applications

- Hide Side Load Switch
- DC-DC Conversion
- Small Drive Circuits
- Battery Operated Systems such as Cell Phones, PDAs, Digital Cameras, etc.

Part Electrical Specifications

| Product | Compliance | Status | Channel Polarity | Configuration | $V_{(BR)SS}$ Min (V) | V_{GS} Max (V) | $V_{GS(th)}$ Max (V) | I_D Max (A) | P_D Max (W) | $r_{DS(on)}$ Max @ $V_{GS} = 2.5$ V (m) | $r_{DS(on)}$ Max @ $V_{GS} = 4.5$ V (m) | $r_{DS(on)}$ Max @ $V_{GS} = 10$ V (m) | Q_g Typ @ $V_{GS} = 4.5$ V (nC) | Q_g Typ @ $V_{GS} = 10$ V (nC) | Q_{gd} Typ @ $V_{GS} = 4.5$ V (nC) | Q_{rr} Typ (nC) | C_{iss} Typ (pF) | C_{oss} Typ (pF) | C_{rss} Typ (pF) | Package Type |
|-------------|------------------------|--------|------------------|---------------|----------------------|------------------|----------------------|---------------|---------------|---|---|--|-----------------------------------|----------------------------------|--------------------------------------|-------------------|--------------------|--------------------|--------------------|--------------|
| NTE4151PT1G | Pb-free Halide free | Active | P-Channel | Single | 20 | 6 | 1.2 | 0.76 | 0.313 | | | | 2.1 | | 0.5 | | 156 | 28 | 18 | SC-89-3 |

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

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