



Product Overview

2N7002K: N-Channel Small Signal MOSFET 60V 380mA 1.6 Ω

For complete documentation, see the data sheet.

MOSFET, Small Signal, 60 V, 380mA, Single N-Channel, SOT-23

Features

- Low RDS(on)
- Surface Mount Package
- This is a Pb-Free Device
- ESD Protected
- RoHS Compliant

Benefits

- Improved system efficiency
- Space saving
- RoHS compliant

Applications

- Low Side Load Switch
- Level Shift Circuits
- DC-DC Converter
- Portable Applications i.e. DSC, PDA, Cell Phone, etc.

End Products

- DSC
- PDA
- Cell Phone

Part Electrical Specifications

| Product | Pricing (\$/Unit) | Compliance | Status | Channel Polarity | Configuration | V _{DSS} (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} = 2.5 V (mΩ) | R _{DS(on)} Max @ V _{GS} = 4.5 V (mΩ) | R _{DS(on)} Max @ V _{GS} = 10 V (mΩ) | Q _g Typ @ V _{GS} = 4.5 V (nC) | Q _g Typ @ V _{GS} = 10 V (nC) | C _{iss} Typ (pF) | Package Type |
|------------|-------------------|------------------------|--------|------------------|---------------|-------------------------------|-------------------------|-----------------------------|------------------------|------------------------|--|--|---|---|--|---------------------------|--------------|
| 2N7002KT1G | 0.0217 | Pb-free Halide free | Active | N-Channel | Single | 60 | 20 | 2.3 | 0.38 | 0.42 | - | 2500 | 1600 | - | 0.7 | 24.5 | SOT-23-3 |
| 2N7002KT7G | 0.0217 | Pb-free Halide free | Active | | | | | | | | | | | | | | SOT-23-3 |

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

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