



Product Overview

NTMFS5C612NL: Power MOSFET 60V 196A 1.8 mOhm Single N-Channel SO-8FL Logic Level

For complete documentation, see the data sheet

Product Description

Power MOSFET 60V 196A 1.8 mOhm Single N-Channel SO-8FL Logic Level

| Features | Benefits |
|---|--|
| <ul style="list-style-type: none">Low RDS(on)Low input capacitance | <ul style="list-style-type: none">Minimize conduction lossesMinimize switching losses |

| Applications | End Products |
|---|--|
| <ul style="list-style-type: none">High Performance DC-DC ConvertersPoint of load Modules | <ul style="list-style-type: none">Netcom, TelecomServer |

Part Electrical Specifications

| Product | 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 @ $V_{GS}=2.5V$ (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_{tr} Typ (nC) | C_{iss} Typ (pF) | C_{oss} Typ (pF) | C_{rss} Typ (pF) | Packaging Type |
|-----------------|------------------------|--------|------------------|---------------|----------------------|------------------|----------------------|---------------|---------------|--------------------------------------|--------------------------------------|-------------------------------------|--------------------------------|-------------------------------|-----------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------|
| NTMFS5C612NLT1G | Pb-free Halide free | Active | N-Channel | Single | 60 | ±20 | 2 | 196 | 138 | | 2.3 | 1.8 | 41 | 91 | 10.9 | 105 | 6200 | 3000 | 81 | SO-8FL / DF N-5 |
| NTMFS5C612NLT3G | Pb-free Halide free | Active | N-Channel | Single | 60 | ±20 | 2 | 196 | 138 | | 2.3 | 1.8 | 41 | 91 | 10.9 | 105 | 6200 | 3000 | 81 | SO-8FL / DF N-5 |

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

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