



Product Overview

NTMFS5C442NL: Power MOSFET 40V 115A 2.8 mOhm Single N-Channel SO-8FL Logic Level

For complete documentation, see the data sheet

Product Description

Power MOSFET 40V 115A 2.8 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 ModulesSecondary Syn. RectificationDC Motor Drive | <ul style="list-style-type: none">Netcom, TelecomServerHandheld power tools |

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} = 2.5 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) | Packaging Type |
|-----------------|------------------------|--------|------------------|---------------|---------------------------------|----------------------------|------------------------------------|---------------------------|---------------------------|--|--|---|---|--|--|--------------------------|---------------------------|---------------------------|---------------------------|-----------------|
| NTMFS5C442NLT1G | Pb-free Halide free | Active | N-Channel | Single | 40 | ±20 | 2 | 115 | 69 | | 4.5 | 2.8 | 23 | 43 | 6.7 | | 3000 | 1200 | 28 | SO-8FL / DF N-5 |
| NTMFS5C442NLT3G | Pb-free Halide free | Active | N-Channel | Single | 40 | ±20 | 2 | 115 | 69 | | 4.5 | 2.8 | 23 | 43 | 6.7 | | 3000 | 1200 | 28 | SO-8FL / DF N-5 |

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

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