



### STB11NM60FDT4 Information



For Reference Only

Part Number STB11NM60FDT4
Manufacturer STMicroelectronics

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 600V 11A D2PAK

Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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## STB11NM60FDT4 Specifications

| Manufacturer Part Number         STB11NM60FDT4           Manufacturer         STMicroelectronics           Category         Discrete Semiconductor Products           Fackage         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB           Series         FDmesh?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         600V           Current - Continuous Drain (Id) @ 25°C         11A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         5V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         40nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         900pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         160W (Tc)           Rds On (Max) @ Id, Vgs         450 mOhm @ 5.5A, 10V           Operating Temperature         -           Mounting Type         Surface Mount           Supplier Device Package         D2PAK           Package / Case         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB           Report errors?  |  |   |
|---|--|---|
| CategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackageTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSeriesFDmesh?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C11A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250µAGate Charge (Qg) (Max) @ Vgs40nC @ 10VInput Capacitance (Ciss) (Max) @ Vds900pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)160W (Tc)Rds On (Max) @ Id, Vgs450 mOhm @ 5.5A, 10VOperating Temperature-Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB   | Manufacturer Part Number               | STB11NM60FDT4                             |
| Fackage         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB           Series         FDmesh?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         600V           Current - Continuous Drain (Id) @ 25°C         11A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         40nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         900pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         160W (Tc)           Rds On (Max) @ Id, Vgs         450 mOhm @ 5.5A, 10V           Operating Temperature         -           Mounting Type         Surface Mount           Supplier Device Package         D2PAK           Package / Case         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB   | Manufacturer                           | STMicroelectronics                        |
| PackageTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSeriesFDmesh?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C11A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs40nC @ 10VInput Capacitance (Ciss) (Max) @ Vds900pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)160W (Tc)Rds On (Max) @ Id, Vgs450 mOhm @ 5.5A, 10VOperating Temperature-Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB  | Category                               | Discrete Semiconductor Products           |
| SeriesFDmesh?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C11A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs40nC @ 10VInput Capacitance (Ciss) (Max) @ Vds900pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)160W (Tc)Rds On (Max) @ Id, Vgs450 mOhm @ 5.5A, 10VOperating Temperature-Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB  |  | Transistors - FETs, MOSFETs - Single      |
| FET Type  Technology  MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  11A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  40nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  450 mOhm @ 5.5A, 10V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  D2PAK  Package / Case  NChannel  N-Channel  NOSFET (Metal Oxide)  600V  600V | Package                                | TO-263-3, D2Pak (2 Leads + Tab), TO-263AB |
| TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C11A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs40nC @ 10VInput Capacitance (Ciss) (Max) @ Vds900pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)160W (Tc)Rds On (Max) @ Id, Vgs450 mOhm @ 5.5A, 10VOperating Temperature-Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB  | Series                                 | FDmesh?                                   |
| Drain to Source Voltage (Vdss)600 VCurrent - Continuous Drain (Id) @ 25°C11A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs40nC @ 10VInput Capacitance (Ciss) (Max) @ Vds900pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)160W (Tc)Rds On (Max) @ Id, Vgs450 mOhm @ 5.5A, 10VOperating Temperature-Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB   | FET Type                               | N-Channel                                 |
| Current - Continuous Drain (Id) @ 25°C 11A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 10V  Vgs(th) (Max) @ Id 5V @ 250µA  Gate Charge (Qg) (Max) @ Vgs 40nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 900pF @ 25V  Vgs (Max) ±30V  FET Feature  Power Dissipation (Max) 160W (Tc)  Rds On (Max) @ Id, Vgs 450 mOhm @ 5.5A, 10V  Operating Temperature  Mounting Type Surface Mount  Supplier Device Package D2PAK  Package / Case T0.50 min A 10V   | Technology                             | MOSFET (Metal Oxide)                      |
| Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  St @ 250μA  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  A50 mOhm @ 5.5A, 10V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  | Drain to Source Voltage (Vdss)         | 600V                                      |
| Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  900pF @ 25V  Vgs (Max)  ±30V  FET Feature  - Power Dissipation (Max)  I60W (Tc)  Rds On (Max) @ Id, Vgs  450 mOhm @ 5.5A, 10V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  D2PAK  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB   | Current - Continuous Drain (Id) @ 25°C | 11A (Tc)                                  |
| Gate Charge (Qg) (Max) @ Vgs 40nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 900pF @ 25V  Vgs (Max) ±30V  FET Feature - Power Dissipation (Max) 160W (Tc)  Rds On (Max) @ Id, Vgs 450 mOhm @ 5.5A, 10V  Operating Temperature - Mounting Type Surface Mount  Supplier Device Package D2PAK  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  | Drive Voltage (Max Rds On, Min Rds On) | 10V                                       |
| Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  D2PAK  Package / Case  P00pF @ 25V  #30V  | Vgs(th) (Max) @ Id                     | 5V @ 250μA                                |
| Vgs (Max) ±30V  FET Feature -  Power Dissipation (Max) 160W (Tc)  Rds On (Max) @ Id, Vgs 450 mOhm @ 5.5A, 10V  Operating Temperature -  Mounting Type Surface Mount  Supplier Device Package D2PAK  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  | Gate Charge (Qg) (Max) @ Vgs           | 40nC @ 10V                                |
| FET Feature - Grown Dissipation (Max) 160W (Tc) Rds On (Max) @ Id, Vgs 450 mOhm @ 5.5A, 10V Operating Temperature - Grown Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  | Input Capacitance (Ciss) (Max) @ Vds   | 900pF @ 25V                               |
| Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  450 mOhm @ 5.5A, 10V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  D2PAK  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB   | Vgs (Max)                              | ±30V                                      |
| Rds On (Max) @ Id, Vgs 450 mOhm @ 5.5A, 10V  Operating Temperature -  Mounting Type Surface Mount  Supplier Device Package D2PAK  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  | FET Feature                            | -   |
| Operating Temperature -  Mounting Type Surface Mount  Supplier Device Package D2PAK  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB   | Power Dissipation (Max)                | 160W (Tc)                                 |
| Mounting Type Surface Mount  Supplier Device Package D2PAK  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  | Rds On (Max) @ Id, Vgs                 | 450 mOhm @ 5.5A, 10V                      |
| Supplier Device Package  D2PAK  Package / Case  D2PAK  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  | Operating Temperature                  | -   |
| Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  | Mounting Type                          | Surface Mount                             |
|   | Supplier Device Package                | D2PAK                                     |
| Report errors?  | Package / Case                         | TO-263-3, D2Pak (2 Leads + Tab), TO-263AB |
|   |  | Report errors?                            |

#### STB11NM60FDT4 Guarantees



#### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

### STB11NM60FDT4 Payment Methods



















## STB11NM60FDT4 Shipping Methods













If you have any question about STB11NM60FDT4, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com