



### NDD01N60T4G Information



For Reference Only

Part Number NDD01N60T4G
Manufacturer ON Semiconductor

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 600V 1.5A DPAK **Package** TO-252-3, DPak (2 Leads + Tab), SC-63

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

# **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









# NDD01N60T4G Specifications

| Manufacturer Part Number         NDD01N60T4G           Manufacturer         ON Semiconductor           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-252-3, DPak (2 Leads + Tab), SC-63           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         600V           Current - Continuous Drain (Id) @ 25°C         1.5A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         3.7V @ 50µA           Gate Charge (Qg) (Max) @ Vgs         7.2nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         160pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         46W (Tc)           Rds On (Max) @ Id, Vgs         8.5 Ohm @ 200mA, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         DPAK           Package / Case         TO-252-3, DPak (2 Leads + Tab), SC-63  |  |                                       |
|---|--|---------------------------------------|
| CategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackageTO-252-3, DPak (2 Leads + Tab), SC-63Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C1.5A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id3.7V @ 50μAGate Charge (Qg) (Max) @ Vgs7.2nC @ 10VInput Capacitance (Ciss) (Max) @ Vds160pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)46W (Tc)Rds On (Max) @ Id, Vgs8.5 Ohm @ 200mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63   | Manufacturer Part Number               | NDD01N60T4G                           |
| Package         TO-252-3, DPak (2 Leads + Tab), SC-63           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         600V           Current - Continuous Drain (Id) @ 25°C         1.5A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         3.7V @ 50μA           Gate Charge (Qg) (Max) @ Vgs         7.2nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         160pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         46W (Tc)           Rds On (Max) @ Id, Vgs         8.5 Ohm @ 200mA, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         DPAK           Package / Case         TO-252-3, DPak (2 Leads + Tab), SC-63   | Manufacturer                           | ON Semiconductor                      |
| Package       TO-252-3, DPak (2 Leads + Tab), SC-63         Series       -         FET Type       N-Channel         Technology       MOSFET (Metal Oxide)         Drain to Source Voltage (Vdss)       600V         Current - Continuous Drain (Id) @ 25°C       1.5A (Tc)         Drive Voltage (Max Rds On, Min Rds On)       10V         Vgs(th) (Max) @ Id       3.7V @ 50μA         Gate Charge (Qg) (Max) @ Vgs       7.2nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       160pF @ 25V         Vgs (Max)       ±30V         FET Feature       -         Power Dissipation (Max)       46W (Tc)         Rds On (Max) @ Id, Vgs       8.5 Ohm @ 200mA, 10V         Operating Temperature       -55°C ~ 150°C (TJ)         Mounting Type       Surface Mount         Supplier Device Package       DPAK         Package / Case       TO-252-3, DPak (2 Leads + Tab), SC-63   | Category                               | Discrete Semiconductor Products       |
| Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C1.5A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id3.7V @ 50μAGate Charge (Qg) (Max) @ Vgs7.2nC @ 10VInput Capacitance (Ciss) (Max) @ Vds160pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)46W (Tc)Rds On (Max) @ Id, Vgs8.5 Ohm @ 200mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63  |  | Transistors - FETs, MOSFETs - Single  |
| FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  MOSFET (Metal Oxide)  600V  Current - Continuous Drain (Id) @ 25°C  1.5A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  3.7V @ 50µA  Gate Charge (Qg) (Max) @ Vgs  7.2nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  460pF @ 25V  Vgs (Max)  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  8.5 Ohm @ 200mA, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  DPAK  Package / Case  N-Cancellox  MOSFET (Metal Oxide)  MOSFET (Metal Oxide)  MOSFET (Metal Oxide)  460V  S. S. A. T. C.  Solv  Suplier Device Package  DPAK  TO-252-3, DPak (2 Leads + Tab), SC-63  | Package                                | TO-252-3, DPak (2 Leads + Tab), SC-63 |
| TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C1.5A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id3.7V @ 50μAGate Charge (Qg) (Max) @ Vgs7.2nC @ 10VInput Capacitance (Ciss) (Max) @ Vds160pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)46W (Tc)Rds On (Max) @ Id, Vgs8.5 Ohm @ 200mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63  | Series                                 | -                                     |
| Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C1.5A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id3.7V @ 50μAGate Charge (Qg) (Max) @ Vgs7.2nC @ 10VInput Capacitance (Ciss) (Max) @ Vds160pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)46W (Tc)Rds On (Max) @ Id, Vgs8.5 Ohm @ 200mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63  | FET Type                               | N-Channel                             |
| Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  8.5 Ohm @ 200mA, 10V  Operating Temperature  Supplier Device Package  Package / Case  1.5A (Tc)  1.5C (Tc)  1.5C (Tc)  1.5C (Tc)  1.5C (Tc)  1.5C (Tc)  1.5C (Tc)  1. | Technology                             | MOSFET (Metal Oxide)                  |
| Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id3.7V @ 50μAGate Charge (Qg) (Max) @ Vgs7.2nC @ 10VInput Capacitance (Ciss) (Max) @ Vds160pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)46W (Tc)Rds On (Max) @ Id, Vgs8.5 Ohm @ 200mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63   | Drain to Source Voltage (Vdss)         | 600V                                  |
| Vgs(th) (Max) @ Id       3.7V @ 50μA         Gate Charge (Qg) (Max) @ Vgs       7.2nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       160pF @ 25V         Vgs (Max)       ±30V         FET Feature       -         Power Dissipation (Max)       46W (Tc)         Rds On (Max) @ Id, Vgs       8.5 Ohm @ 200mA, 10V         Operating Temperature       -55°C ~ 150°C (TJ)         Mounting Type       Surface Mount         Supplier Device Package       DPAK         Package / Case       TO-252-3, DPak (2 Leads + Tab), SC-63   | Current - Continuous Drain (Id) @ 25°C | 1.5A (Tc)                             |
| Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  DPAK  Package / Case  7.2nC @ 10V  160pF @ 25V  +30V  +30V  +30V  -50C  -50C  Surface Mount  Surface Mount  DPAK  TO-252-3, DPak (2 Leads + Tab), SC-63  | Drive Voltage (Max Rds On, Min Rds On) | 10V                                   |
| Input Capacitance (Ciss) (Max) @ Vds  160pF @ 25V  Vgs (Max)  ET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  8.5 Ohm @ 200mA, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  DPAK  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63  | Vgs(th) (Max) @ Id                     | 3.7V @ 50μA                           |
| Vgs (Max) ±30V  FET Feature -  Power Dissipation (Max) 46W (Tc)  Rds On (Max) @ Id, Vgs 8.5 Ohm @ 200mA, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package DPAK  Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63   | Gate Charge (Qg) (Max) @ Vgs           | 7.2nC @ 10V                           |
| FET Feature -  Power Dissipation (Max) 46W (Tc)  Rds On (Max) @ Id, Vgs 8.5 Ohm @ 200mA, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package DPAK  Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63   | Input Capacitance (Ciss) (Max) @ Vds   | 160pF @ 25V                           |
| Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  8.5 Ohm @ 200mA, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  DPAK  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63  | Vgs (Max)                              | ±30V                                  |
| Rds On (Max) @ Id, Vgs8.5 Ohm @ 200mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63   | FET Feature                            | -                                     |
| Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  DPAK  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63   | Power Dissipation (Max)                | 46W (Tc)                              |
| Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63   | Rds On (Max) @ Id, Vgs                 | 8.5 Ohm @ 200mA, 10V                  |
| Supplier Device Package  DPAK  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63  | Operating Temperature                  | -55°C ~ 150°C (TJ)                    |
| Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63  | Mounting Type                          | Surface Mount                         |
|   | Supplier Device Package                | DPAK                                  |
| Report errors?  | Package / Case                         | TO-252-3, DPak (2 Leads + Tab), SC-63 |
|   |  | Report errors?                        |

#### NDD01N60T4G 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.

### NDD01N60T4G Payment Methods



















## NDD01N60T4G Shipping Methods













If you have any question about NDD01N60T4G, please do not hesitate to contact us!

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