



### NTD4858NAT4G Information



For Reference Only

Part Number NTD4858NAT4G
Manufacturer ON Semiconductor

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description**MOSFET N-CH 25V 11.2A 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



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## NTD4858NAT4G Specifications

Manufacturer Part Number         NTD4858NAT4G           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)         25V           Current - Continuous Drain (Id) @ 25°C         11.2A (Ta), 73A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         -           Vgs(th) (Max) @ Id         2.5V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         19.2nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         1563pF @ 12V           Vgs (Max)         -           FET Feature         -           Power Dissipation (Max)         1.3W (Ta), 54.5W (Tc)           Rds On (Max) @ Id, Vgs         6.2 mOhm @ 30A, 10V           Operating Temperature         -55°C ~ 175°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           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)         25V           Current - Continuous Drain (Id) @ 25°C         11.2A (Ta), 73A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         -           Vgs(th) (Max) @ Id         2.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         19.2nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         1563pF @ 12V           Vgs (Max)         -           FET Feature         -           Power Dissipation (Max)         1.3W (Ta), 54.5W (Tc)           Rds On (Max) @ Id, Vgs         6.2 mOhm @ 30A, 10V           Operating Temperature         -55°C ~ 175°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         DPAK           Package / Case         TO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer Part Number	NTD4858NAT4G
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)       25V         Current - Continuous Drain (Id) @ 25°C       11.2A (Ta), 73A (Tc)         Drive Voltage (Max Rds On, Min Rds On)       -         Vgs(th) (Max) @ Id       2.5V @ 250μA         Gate Charge (Qg) (Max) @ Vgs       19.2nC @ 4.5V         Input Capacitance (Ciss) (Max) @ Vds       1563pF @ 12V         Vgs (Max)       -         FET Feature       -         Power Dissipation (Max)       1.3W (Ta), 54.5W (Tc)         Rds On (Max) @ Id, Vgs       6.2 mOhm @ 30A, 10V         Operating Temperature       -55°C ~ 175°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)       25V         Current - Continuous Drain (Id) @ 25°C       11.2A (Ta), 73A (Te)         Drive Voltage (Max Rds On, Min Rds On)       -         Vgs(th) (Max) @ Id       2.5V @ 250μA         Gate Charge (Qg) (Max) @ Vgs       19.2nC @ 4.5V         Input Capacitance (Ciss) (Max) @ Vds       1563pF @ 12V         Vgs (Max)       -         FET Feature       -         Power Dissipation (Max)       1.3W (Ta), 54.5W (Tc)         Rds On (Max) @ Id, Vgs       6.2 mOhm @ 30A, 10V         Operating Temperature       -55°C ~ 175°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 Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         25V           Current - Continuous Drain (Id) @ 25°C         11.2A (Ta), 73A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         -           Vgs(th) (Max) @ Id         2.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         19.2nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         1563pF @ 12V           Vgs (Max)         -           FET Feature         -           Power Dissipation (Max)         1.3W (Ta), 54.5W (Tc)           Rds On (Max) @ Id, Vgs         6.2 mOhm @ 30A, 10V           Operating Temperature         -55°C ~ 175°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         DPAK           Package / Case         TO-252-3, DPak (2 Leads + Tab), SC-63		Transistors - FETs, MOSFETs - Single
FET Type  Technology  MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  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  Operating Temperature  Mounting Type  Surface Mount  DPAK  Package / Case  N-Channel  N-	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Supplier Device Package Package / Case  MOSFET (Metal Oxide)  25V  MOSFET (Metal Oxide)  25V  11.2A (Ta), 73A (Tc)  11.2A (Ta), 74A (Ta)  11.2A (Ta), 74A (Ta)  11.2A (Ta), 74A (Ta)  11.2A (Ta),	Series	-
Drain to Source Voltage (Vdss)25VCurrent - Continuous Drain (Id) @ 25°C11.2A (Ta), 73A (Tc)Drive Voltage (Max Rds On, Min Rds On)-Vgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs19.2nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds1563pF @ 12VVgs (Max)-FET Feature-Power Dissipation (Max)1.3W (Ta), 54.5W (Tc)Rds On (Max) @ Id, Vgs6.2 mOhm @ 30A, 10VOperating Temperature-55°C ~ 175°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  6.2 mOhm @ 30A, 10V  Operating Temperature  Supplier Device Package  Package / Case  11.2A (Ta), 73A (Tc)  11.2A (Ta), 74A (Ta),	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)-Vgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs19.2nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds1563pF @ 12VVgs (Max)-FET Feature-Power Dissipation (Max)1.3W (Ta), 54.5W (Tc)Rds On (Max) @ Id, Vgs6.2 mOhm @ 30A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	25V
Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  - FET Feature  Power Dissipation (Max)  Algorithm of the properties of the	Current - Continuous Drain (Id) @ 25°C	11.2A (Ta), 73A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)	Drive Voltage (Max Rds On, Min Rds On)	-
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  - FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  6.2 mOhm @ 30A, 10V  Operating Temperature  -55°C ~ 175°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	2.5V @ 250μA
Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Operating Type  Surface Mount  Supplier Device Package  DPAK  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	19.2nC @ 4.5V
FET Feature -  Power Dissipation (Max) 1.3W (Ta), 54.5W (Tc)  Rds On (Max) @ Id, Vgs 6.2 mOhm @ 30A, 10V  Operating Temperature -55°C ~ 175°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	1563pF @ 12V
Power Dissipation (Max)  1.3W (Ta), 54.5W (Tc)  6.2 mOhm @ 30A, 10V  Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  DPAK  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs (Max)	-
Rds On (Max) @ Id, Vgs6.2 mOhm @ 30A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Feature	-
Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  DPAK  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Power Dissipation (Max)	1.3W (Ta), 54.5W (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	6.2 mOhm @ 30A, 10V
Supplier Device Package  DPAK  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Operating Temperature	-55°C ~ 175°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?

#### NTD4858NAT4G 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.

# NTD4858NAT4G Payment Methods



















## NTD4858NAT4G Shipping Methods













If you have any question about NTD4858NAT4G, please do not hesitate to contact us!

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