



NTD25P03LT4G Information



For Reference Only

Part Number NTD25P03LT4G Manufacturer ON Semiconductor

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET P-CH 30V 25A 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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NTD25P03LT4G Specifications

Manufacturer Part Number NTD25P03LT4G Manufacturer ON Semiconductor Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series - FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 25A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4V, 5V Vgs(th) (Max) @ Id 2V @ 250µA Gate Charge (Qg) (Max) @ Vgs 20nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 1260pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 75W (Tj) Rds On (Max) @ Id, Vgs 80 mOhm @ 25A, 5V 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		
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Series-FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C25A (Ta)Drive Voltage (Max Rds On, Min Rds On)4V, 5VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs20nC @ 5VInput Capacitance (Ciss) (Max) @ Vds1260pF @ 25VVgs (Max)±15VFET Feature-Power Dissipation (Max)75W (Tj)Rds On (Max) @ Id, Vgs80 mOhm @ 25A, 5VOperating 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 TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C25A (Ta)Drive Voltage (Max Rds On, Min Rds On)4V, 5VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs20nC @ 5VInput Capacitance (Ciss) (Max) @ Vds1260pF @ 25VVgs (Max)±15VFET Feature-Power Dissipation (Max)75W (Tj)Rds On (Max) @ Id, Vgs80 mOhm @ 25A, 5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 25A (Ta) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Curent - Continuous Drain (Id) @ 25°C 25A (Ta) Vgs(th) (Max) @ Id 2V @ 250µA Gate Charge (Qg) (Max) @ Vgs 20nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 1260pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 75W (Tj) Rds On (Max) @ Id, Vgs 80 mOhm @ 25A, 5V 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	Series	-
Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C25A (Ta)Drive Voltage (Max Rds On, Min Rds On)4V, 5VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs20nC @ 5VInput Capacitance (Ciss) (Max) @ Vds1260pF @ 25VVgs (Max)±15VFET Feature-Power Dissipation (Max)75W (Tj)Rds On (Max) @ Id, Vgs80 mOhm @ 25A, 5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Type	P-Channel
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 Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature For Temperature Supplier Device Package Package / Case 25A (Ta) 25A (Ta) 25A (Ta) 25A (Ta) 25A (Ta) 25A (Ta) 4V, 5V 2V @ 250µA 20nC @ 5V 1260pF @ 25V 25V 25V 25V 25V 25V 25V 25V	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4V, 5VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs20nC @ 5VInput Capacitance (Ciss) (Max) @ Vds1260pF @ 25VVgs (Max)±15VFET Feature-Power Dissipation (Max)75W (Tj)Rds On (Max) @ Id, Vgs80 mOhm @ 25A, 5VOperating 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)	30V
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 Supplier Device Package Package / Case 2V @ 250μA 20nC @ 5V 1260pF @ 25V 150V TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	25A (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 1260pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 80 mOhm @ 25A, 5V 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	Drive Voltage (Max Rds On, Min Rds On)	4V, 5V
Input Capacitance (Ciss) (Max) @ Vds 1260pF @ 25V Vgs (Max) ET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 80 mOhm @ 25A, 5V 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	2V @ 250μA
Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 75W (Tj) Rds On (Max) @ Id, Vgs 80 mOhm @ 25A, 5V 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	20nC @ 5V
FET Feature - Power Dissipation (Max) 75W (Tj) Rds On (Max) @ Id, Vgs 80 mOhm @ 25A, 5V 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	1260pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 80 mOhm @ 25A, 5V 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)	±15V
Rds On (Max) @ Id, Vgs 80 mOhm @ 25A, 5V 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	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)	75W (Tj)
Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Rds On (Max) @ Id, Vgs	80 mOhm @ 25A, 5V
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?

NTD25P03LT4G 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.

NTD25P03LT4G Payment Methods



















NTD25P03LT4G Shipping Methods













If you have any question about NTD25P03LT4G, please do not hesitate to contact us!

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