



NTD95N02R Information



For Reference Only

Part Number NTD95N02R

Manufacturer ON Semiconductor

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 24V 12A 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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NTD95N02R Specifications

Manufacturer Part Number NTD95N02R 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) 24V Current - Continuous Drain (Id) @ 25°C 12A (Ta), 32A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ 250µA Gate Charge (Qg) (Max) @ Vgs 21nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 2400pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1.25W (Ta), 86W (Tc) Rds On (Max) @ Id, Vgs 5 mOhm @ 20A, 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 Report errors?		
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Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)24VCurrent - Continuous Drain (Id) @ 25°C12A (Ta), 32A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs21nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds2400pF @ 20VVgs (Max)±20VFET Feature-Power Dissipation (Max)1.25W (Ta), 86W (Tc)Rds On (Max) @ Id, Vgs5 mOhm @ 20A, 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 Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 24V 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) **EUV** FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Dreating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case N-Channel ADSFET (Metal Oxide) 24V 24V 24V 24V 24V 250µA 240 250µA 2400pF @ 20V 2400pF @ 20V 250µ 250µ 250µ 250µ 260µ 270µ 270	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)24VCurrent - Continuous Drain (Id) @ 25°C12A (Ta), 32A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs21nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds2400pF @ 20VVgs (Max)±20VFET Feature-Power Dissipation (Max)1.25W (Ta), 86W (Tc)Rds On (Max) @ Id, Vgs5 mOhm @ 20A, 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) Current - Continuous Drain (Id) @ 25°C 12A (Ta), 32A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) 1.25W (Ta), 86W (Tc) Rds On (Max) @ Id, Vgs 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 Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 12A (Ta), 32A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ 250µA Gate Charge (Qg) (Max) @ Vgs 21nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 2400pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1.25W (Ta), 86W (Tc) Rds On (Max) @ Id, Vgs 5 mOhm @ 20A, 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	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs21nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds2400pF @ 20VVgs (Max)±20VFET Feature-Power Dissipation (Max)1.25W (Ta), 86W (Tc)Rds On (Max) @ Id, Vgs5 mOhm @ 20A, 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)	24V
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 -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 2V @ 250μA 24.5V 2400pF @ 20V +20V -525-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	12A (Ta), 32A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 2400pF @ 20V Vgs (Max) ±20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5 mOhm @ 20A, 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	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5 mOhm @ 20A, 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	2V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)1.25W (Ta), 86W (Tc)Rds On (Max) @ Id, Vgs5 mOhm @ 20A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	21nC @ 4.5V
FET Feature - Power Dissipation (Max) 1.25W (Ta), 86W (Tc) Rds On (Max) @ Id, Vgs 5 mOhm @ 20A, 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	2400pF @ 20V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5 mOhm @ 20A, 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)	±20V
Rds On (Max) @ Id, Vgs5 mOhm @ 20A, 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)	1.25W (Ta), 86W (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	5 mOhm @ 20A, 10V
Supplier Device Package DPAK Package / Case DPAK 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?

NTD95N02R 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.

NTD95N02R Payment Methods



















NTD95N02R Shipping Methods













If you have any question about NTD95N02R, please do not hesitate to contact us!

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