



NTB125N02R Information



For Reference Only

Part Number NTB125N02R Manufacturer ON Semiconductor

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 24V 15.9A 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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NTB125N02R Specifications

Manufacturer Part Number NTB 125NO2R Manufacturer ON Semiconductor Category Discrete Semiconductor Products Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 24V Current - Continuous Drain (Id) @ 25°C 95A (Ta), 120.5A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ 250μA Gate Charge (Qg) (Max) @ Vgs 28nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 3440pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1.98W (Ta), 113.6W (Tc) Rds On (Max) @ Id, Vgs 4.6 mOhm @ 20A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 24V Current - Continuous Drain (Id) @ 25°C 95A (Ta), 120.5A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2v @ 250µA Gate Charge (Qg) (Max) @ Vgs 28nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 3440pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1.98W (Ta), 113.6W (Tc) Rds On (Max) @ Id, Vgs 4.6 mOhm @ 20A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Manufacturer Part Number	NTB125N02R
Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 24V Current - Continuous Drain (Id) @ 25°C 95A (Ta), 120.5A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ 250μA Gate Charge (Qg) (Max) @ Vgs 28nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 3440pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1.98W (Ta), 113.6W (Tc) Rds On (Max) @ Id, Vgs 4.6 mOhm @ 20A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Manufacturer	ON Semiconductor
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Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 24V Current - Continuous Drain (Id) @ 25°C 95A (Ta), 120.5A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ 250μA Gate Charge (Qg) (Max) @ Vgs 28nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 3440pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1.98W (Ta), 113.6W (Tc) Rds On (Max) @ Id, Vgs 4.6 mOhm @ 20A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB		Transistors - FETs, MOSFETs - Single
FET Type MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 95A (Ta), 120.5A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs 1nput Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4.6 mOhm @ 20A, 10V Operating Temperature Supplier Device Package D2PAK Package / Case MOSFET (Metal Oxide) AUOSFET (Metal Oxide) AUOSFET (Metal Oxide) AUOSFET (Metal Oxide) AUOSFET (Metal Oxide) 44V AUOSFET (Metal Oxide) AUOSFET (Metal Oxide) 44V AUOSFET (Metal Oxide) 4.5V AUOSFET (Policy Autos) AUOSFET (Autos) AUOSFET (Metal Oxide) 4.5V 4.5V AUOSFET (Metal Oxide) AUOSFET (Metal Oxide) 4.5V AUOSFET (Auose) AUOSFET (Metal Oxide) 4.5V AUOSFET (Policy Auose) 4.5V AUOSFET (Metal Oxide) 4.5V AUOSFET (Policy Auose) 4.6 mOhm @ 20A, 10V Auose	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
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Current - Continuous Drain (Id) @ 25°C 95A (Ta), 120.5A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ 250μA Gate Charge (Qg) (Max) @ Vgs 28nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 3440pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1.98W (Ta), 113.6W (Tc) Rds On (Max) @ Id, Vgs 4.6 mOhm @ 20A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 2V @ 250μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4.6 mOhm @ 20A, 10V Operating Temperature Operating Type Surface Mount Supplier Device Package Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drain to Source Voltage (Vdss)	24V
Vgs(th) (Max) @ Id 2V @ 250μA Gate Charge (Qg) (Max) @ Vgs 28nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 3440pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1.98W (Ta), 113.6W (Tc) Rds On (Max) @ Id, Vgs 4.6 mOhm @ 20A, 10V Operating Temperature -55°C ~ 150°C (TJ) 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	95A (Ta), 120.5A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) +20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case 28nC @ 4.5V 3440pF @ 20V +20V -50V -50V -50V TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	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 4.6 mOhm @ 20A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs(th) (Max) @ Id	2V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)1.98W (Ta), 113.6W (Tc)Rds On (Max) @ Id, Vgs4.6 mOhm @ 20A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Gate Charge (Qg) (Max) @ Vgs	28nC @ 4.5V
FET Feature - 1.98W (Ta), 113.6W (Tc) Rds On (Max) @ Id, Vgs 4.6 mOhm @ 20A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Input Capacitance (Ciss) (Max) @ Vds	3440pF @ 20V
Power Dissipation (Max) 1.98W (Ta), 113.6W (Tc) 4.6 mOhm @ 20A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs4.6 mOhm @ 20A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Power Dissipation (Max)	1.98W (Ta), 113.6W (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	4.6 mOhm @ 20A, 10V
Supplier Device Package D2PAK Package / Case D2PAK TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Operating Temperature	-55°C ~ 150°C (TJ)
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?

NTB125N02R 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.

NTB125N02R Payment Methods



















NTB125N02R Shipping Methods













If you have any question about NTB125N02R, please do not hesitate to contact us!

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