



NTHD4N02FT1 Information



For Reference Only

Part Number NTHD4N02FT1
Manufacturer ON Semiconductor

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 20V 2.9A CHIPFET

Package 8-SMD, Flat Lead

For the pricing/inventory/lead time, please contact

us

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



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NTHD4N02FT1 Specifications

Manufacturer Part NumberNTHD4N02FT1ManufacturerON SemiconductorCategoryDiscrete Semiconductor Products Transistors - FETs, MOSFETs - SinglePackage8-SMD, Flat LeadSeries-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C2.9A (Tj)Drive Voltage (Max Rds On, Min Rds On)2.5V, 4.5VVgs(th) (Max) @ Id1.2V @ 250μAGate Charge (Qg) (Max) @ Vgs4nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds300pF @ 10VVgs (Max)±12VFET FeatureSchottky Diode (Isolated)Power Dissipation (Max)910mW (Tj)Rds On (Max) @ Id, Vgs80 mOhm @ 2.9A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageChipFET?Package / Case8-SMD, Flat LeadReport errors?		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single 8-SMD, Flat Lead Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 2.9A (Tj) Drive Voltage (Max Rds On, Min Rds On) 2.5V, 4.5V Vgs(th) (Max) @ Id 1.2V @ 250µA Gate Charge (Qg) (Max) @ Vgs 1nput Capacitance (Ciss) (Max) @ Vds 300pF @ 10V Vgs (Max) +12V FET Feature Schottky Diode (Isolated) Power Dissipation (Max) Power Dissipation (Max) Rds On (Max) @ Id, Vgs Non (Max) @ Id, Vgs Non (Max) @ Id, Vgs Sufface Mount Supplier Device Package ChipFET? Package / Case Pissipation (Max) Respondent of the Amount of the ChipFet (Max) Respondent of the Common of the ChipFet (Max) Respondent of the ChipPet (Max) Responden	Manufacturer Part Number	NTHD4N02FT1
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Package8-SMD, Flat LeadSeries-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C2.9A (Tj)Drive Voltage (Max Rds On, Min Rds On)2.5V, 4.5VVgs(th) (Max) @ Id1.2V @ 250μAGate Charge (Qg) (Max) @ Vgs4nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds300pF @ 10VVgs (Max)±12VFET FeatureSchottky Diode (Isolated)Power Dissipation (Max)910mW (Tj)Rds On (Max) @ Id, Vgs80 mOhm @ 2.9A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageChipFET?Package / Case8-SMD, Flat Lead	Category	Discrete Semiconductor Products
Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C2.9A (Tj)Drive Voltage (Max Rds On, Min Rds On)2.5V, 4.5VVgs(th) (Max) @ Id1.2V @ 250μAGate Charge (Qg) (Max) @ Vgs4nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds300pF @ 10VVgs (Max)±12VFET FeatureSchottky Diode (Isolated)Power Dissipation (Max)910mW (Tj)Rds On (Max) @ Id, Vgs80 mOhm @ 2.9A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageChipFET?Package / Case8-SMD, Flat Lead		Transistors - FETs, MOSFETs - Single
FET Type Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 2.9A (Tj) Drive Voltage (Max Rds On, Min Rds On) 2.5V, 4.5V Vgs(th) (Max) @ Id 1.2V @ 250μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±12V FET Feature Schottky Diode (Isolated) Power Dissipation (Max) Rds On (Max) @ Id, Vgs 80 mOhm @ 2.9A, 4.5V Operating Temperature Josepha Surface Mount Supplier Device Package Package / Case N-Channel MOSFET (Metal Oxide) 2.9V 2.9V 2.9A (Tj) Anc @ 4.5V 2.9A (Tj) 4nc @ 4.5V 300pF @ 10V 4nc @ 4.5V 300pF @ 10V 4nc @ 4.5V 5chottky Diode (Isolated) 910mW (Tj) 80 mOhm @ 2.9A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package ChipFET? Package / Case	Package	8-SMD, Flat Lead
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C2.9A (Tj)Drive Voltage (Max Rds On, Min Rds On)2.5V, 4.5VVgs(th) (Max) @ Id1.2V @ 250μAGate Charge (Qg) (Max) @ Vgs4nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds300pF @ 10VVgs (Max)±12VFET FeatureSchottky Diode (Isolated)Power Dissipation (Max)910mW (Tj)Rds On (Max) @ Id, Vgs80 mOhm @ 2.9A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageChipFET?Package / Case8-SMD, Flat Lead	Series	-
Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C2.9A (Tj)Drive Voltage (Max Rds On, Min Rds On)2.5V, 4.5VVgs(th) (Max) @ Id1.2V @ 250μAGate Charge (Qg) (Max) @ Vgs4nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds300pF @ 10VVgs (Max)±12VFET FeatureSchottky Diode (Isolated)Power Dissipation (Max)910mW (Tj)Rds On (Max) @ Id, Vgs80 mOhm @ 2.9A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageChipFET?Package / Case8-SMD, Flat Lead	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) 2.5V, 4.5V Vgs(th) (Max) @ Id 1.2V @ 250μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Schottky Diode (Isolated) Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-SMD, Flat Lead	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)2.5V, 4.5VVgs(th) (Max) @ Id1.2V @ 250μAGate Charge (Qg) (Max) @ Vgs4nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds300pF @ 10VVgs (Max)±12VFET FeatureSchottky Diode (Isolated)Power Dissipation (Max)910mW (Tj)Rds On (Max) @ Id, Vgs80 mOhm @ 2.9A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageChipFET?Package / Case8-SMD, Flat Lead	Drain to Source Voltage (Vdss)	20V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Schottky Diode (Isolated) Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Operating Type Surface Mount Supplier Device Package Package / Case 1.2V @ 250μA 4nC @ 4.5V 300pF @ 10V ±12V FET Wester (Isolated) 910mW (Tj) 80 mOhm @ 2.9A, 4.5V ChipFET? 8-SMD, Flat Lead	Current - Continuous Drain (Id) @ 25°C	2.9A (Tj)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Schottky Diode (Isolated) Power Dissipation (Max) Rds On (Max) @ Id, Vgs 910mW (Tj) Rds On (Max) @ Id, Vgs 80 mOhm @ 2.9A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package ChipFET? Package / Case 8-SMD, Flat Lead	Drive Voltage (Max Rds On, Min Rds On)	2.5V, 4.5V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Schottky Diode (Isolated) Power Dissipation (Max) Power Dissipation (Max) Power Dissipation (Max) Rds On (Max) @ Id, Vgs 80 mOhm @ 2.9A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package ChipFET? Package / Case 8-SMD, Flat Lead	Vgs(th) (Max) @ Id	1.2V @ 250μA
Vgs (Max)±12VFET FeatureSchottky Diode (Isolated)Power Dissipation (Max)910mW (Tj)Rds On (Max) @ Id, Vgs80 mOhm @ 2.9A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageChipFET?Package / Case8-SMD, Flat Lead	Gate Charge (Qg) (Max) @ Vgs	4nC @ 4.5V
FET Feature Schottky Diode (Isolated) Power Dissipation (Max) 910mW (Tj) Rds On (Max) @ Id, Vgs 80 mOhm @ 2.9A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package ChipFET? Package / Case 8-SMD, Flat Lead	Input Capacitance (Ciss) (Max) @ Vds	300pF @ 10V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 80 mOhm @ 2.9A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package ChipFET? Package / Case 8-SMD, Flat Lead	Vgs (Max)	±12V
Rds On (Max) @ Id, Vgs 80 mOhm @ 2.9A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package ChipFET? Package / Case 8-SMD, Flat Lead	FET Feature	Schottky Diode (Isolated)
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package ChipFET? Package / Case 8-SMD, Flat Lead	Power Dissipation (Max)	910mW (Tj)
Mounting Type Surface Mount Supplier Device Package ChipFET? Package / Case 8-SMD, Flat Lead	Rds On (Max) @ Id, Vgs	80 mOhm @ 2.9A, 4.5V
Supplier Device Package ChipFET? Package / Case 8-SMD, Flat Lead	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 8-SMD, Flat Lead	Mounting Type	Surface Mount
	Supplier Device Package	ChipFET?
Report errors?	Package / Case	8-SMD, Flat Lead
		Report errors?

NTHD4N02FT1 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.

NTHD4N02FT1 Payment Methods





















NTHD4N02FT1 Shipping Methods













If you have any question about NTHD4N02FT1, please do not hesitate to contact us!

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