



NDC651N Information



For Reference Only

Part Number NDC651N

ManufacturerFairchild/ON SemiconductorCategoryDiscrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 30V 3.2A SSOT6 **Package** SOT-23-6 Thin, TSOT-23-6

For the pricing/inventory/lead time, please contact

us

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



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NDC651N Specifications

Manufacturer Part Number NDC651N Manufacturer Fairchild/ON Semiconductor Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SOT-23-6 Thin, TSOT-23-6 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 3.2A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 250µA Gate Charge (Qg) (Max) @ Vgs 20nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 290pF @ 15V Vgs (Max) 290pF @ 15V Vgs (Max) 6 FET Feature - Power Dissipation (Max) 1.6W (Ta) Rds On (Max) @ Id, Vgs 60 mOhm @ 4A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SuperSOT?-6 Package / Case SOT-23-6 Thin, TSOT-23-6		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single SOT-23-6 Thin, TSOT-23-6 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Ourrent - 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) Peter Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature June Capackage SuperSOT?-6 Package / Case Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single SOT-23-6 Thin, TSOT-23-6	Manufacturer Part Number	NDC651N
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PackageSOT-23-6 Thin, TSOT-23-6Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C3.2A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs20nC @ 10VInput Capacitance (Ciss) (Max) @ Vds290pF @ 15VVgs (Max)20VFET Feature-Power Dissipation (Max)1.6W (Ta)Rds On (Max) @ Id, Vgs60 mOhm @ 4A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-6Package / CaseSOT-23-6 Thin, TSOT-23-6	Category	Discrete Semiconductor Products
Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 3.2A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 250μA Gate Charge (Qg) (Max) @ Vgs 20nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 290pF @ 15V Vgs (Max) 20V FET Feature - Power Dissipation (Max) 1.6W (Ta) Rds On (Max) @ Id, Vgs 60 mOhm @ 4A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SuperSOT?-6 Package / Case SOT-23-6 Thin, TSOT-23-6		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C3.2A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs20nC @ 10VInput Capacitance (Ciss) (Max) @ Vds290pF @ 15VVgs (Max)20VFET Feature-Power Dissipation (Max)1.6W (Ta)Rds On (Max) @ Id, Vgs60 mOhm @ 4A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-6Package / CaseSOT-23-6 Thin, TSOT-23-6	Package	SOT-23-6 Thin, TSOT-23-6
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C3.2A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs20nC @ 10VInput Capacitance (Ciss) (Max) @ Vds290pF @ 15VVgs (Max)20VFET Feature-Power Dissipation (Max)1.6W (Ta)Rds On (Max) @ Id, Vgs60 mOhm @ 4A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-6Package / CaseSOT-23-6 Thin, TSOT-23-6	Series	-
Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C3.2A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs20nC @ 10VInput Capacitance (Ciss) (Max) @ Vds290pF @ 15VVgs (Max)20VFET Feature-Power Dissipation (Max)1.6W (Ta)Rds On (Max) @ Id, Vgs60 mOhm @ 4A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-6Package / CaseSOT-23-6 Thin, TSOT-23-6	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) Vgs (Max) 20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 60 mOhm @ 4A, 10V Operating Temperature Supplier Device Package Package / Case 3.2A (Ta) 4.5V, 10V 3.2A (Ta) 60 W 6	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 3V @ 250μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) 290pF @ 15V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 60 mOhm @ 4A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case SOT-23-6 Thin, TSOT-23-6	Drain to Source Voltage (Vdss)	30V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Supplier Device Package Package / Case SOT-23-6 Thin, TSOT-23-6	Current - Continuous Drain (Id) @ 25°C	3.2A (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 290pF @ 15V Vgs (Max) 20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 60 mOhm @ 4A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case SOT-23-6 Thin, TSOT-23-6	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Operating Type Surface Mount Supplier Device Package Package / Case SOT-23-6 Thin, TSOT-23-6	Vgs(th) (Max) @ Id	3V @ 250μA
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 SOT-23-6 Thin, TSOT-23-6	Gate Charge (Qg) (Max) @ Vgs	20nC @ 10V
FET Feature - Power Dissipation (Max) 1.6W (Ta) Rds On (Max) @ Id, Vgs 60 mOhm @ 4A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SuperSOT?-6 Package / Case SOT-23-6 Thin, TSOT-23-6	Input Capacitance (Ciss) (Max) @ Vds	290pF @ 15V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 60 mOhm @ 4A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SuperSOT?-6 Package / Case SOT-23-6 Thin, TSOT-23-6	Vgs (Max)	20V
Rds On (Max) @ Id, Vgs60 mOhm @ 4A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-6Package / CaseSOT-23-6 Thin, TSOT-23-6	FET Feature	-
Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-6Package / CaseSOT-23-6 Thin, TSOT-23-6	Power Dissipation (Max)	1.6W (Ta)
Mounting Type Surface Mount Supplier Device Package SuperSOT?-6 Package / Case SOT-23-6 Thin, TSOT-23-6	Rds On (Max) @ Id, Vgs	60 mOhm @ 4A, 10V
Supplier Device Package SuperSOT?-6 Package / Case SOT-23-6 Thin, TSOT-23-6	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case SOT-23-6 Thin, TSOT-23-6	Mounting Type	Surface Mount
	Supplier Device Package	SuperSOT?-6
Report errors?	Package / Case	SOT-23-6 Thin, TSOT-23-6
		Report errors?

NDC651N 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.

NDC651N Payment Methods





















NDC651N Shipping Methods













If you have any question about NDC651N, please do not hesitate to contact us!

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