

NDS331N_D87Z Information

www.ielscoen.com

For Reference Only

Part Number NDS331N_D87Z

ManufacturerFairchild/ON SemiconductorCategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - Single

Description MOSFET N-CH 20V 1.3A 3SSOT

Package TO-236-3, SC-59, SOT-23-3
For the pricing/inventory/lead time, please contact

us

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



Request a Quote

Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









NDS331N_D87Z Specifications

Manufacturer Part Number NDS331N_D87Z Manufacturer Fairchild/ON Semiconductor Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-236-3, SC-59, SOT-23-3 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 1.3A (Ta) Drive Voltage (Max Rds On, Min Rds On) 2.7V, 4.5V Vgs(th) (Max) @ Id 1V @ 250μA Gate Charge (Qg) (Max) @ Vgs 5nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 162pF @ 10V Vgs (Max) EET Feature FET Feature - Power Dissipation (Max) 500mW (Ta) Rds On (Max) @ Id, Vgs 160 mOhm @ 1.5A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SupersOT-3 Package / Case TO-236-3, SC-59, SOT-23-3		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-236-3, SC-59, SOT-23-3 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 1.3A (Ta) Drive Voltage (Max Rds On, Min Rds On) 2.7V, 4.5V Vgs(th) (Max) @ Id 1V @ 250μA Gate Charge (Qg) (Max) @ Vgs 5nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 162pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 500mW (Ta) Rds On (Max) @ Id, Vgs 160 mOhm @ 1.5A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SuperSOT-3 Package / Case TO-236-3, SC-59, SOT-23-3	Manufacturer Part Number	NDS331N_D87Z
Package TO-236-3, SC-59, SOT-23-3 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 1.3A (Ta) Drive Voltage (Max Rds On, Min Rds On) 2.7V, 4.5V Vgs(th) (Max) @ Id 1V @ 250μA Gate Charge (Qg) (Max) @ Vgs 5nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 162pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 500mW (Ta) Rds On (Max) @ Id, Vgs 160 mOhm @ 1.5A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SuperSOT-3 Package / Case TO-236-3, SC-59, SOT-23-3	Manufacturer	Fairchild/ON Semiconductor
Package TO-236-3, SC-59, SOT-23-3 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 1.3A (Ta) Drive Voltage (Max Rds On, Min Rds On) 2.7V, 4.5V Vgs(th) (Max) @ Id 1V @ 250μA Gate Charge (Qg) (Max) @ Vgs 5nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 162pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 500mW (Ta) Rds On (Max) @ Id, Vgs 160 mOhm @ 1.5A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SuperSOT-3 Package / Case TO-236-3, SC-59, SOT-23-3	Category	Discrete Semiconductor Products
Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 1.3A (Ta) Drive Voltage (Max Rds On, Min Rds On) 2.7V, 4.5V Vgs(th) (Max) @ Id 1V @ 250μA Gate Charge (Qg) (Max) @ Vgs 5nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 162pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 500mW (Ta) Rds On (Max) @ Id, Vgs 160 mOhm @ 1.5A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SuperSOT-3 Package / Case TO-236-3, SC-59, SOT-23-3		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C1.3A (Ta)Drive Voltage (Max Rds On, Min Rds On)2.7V, 4.5VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs5nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds162pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)500mW (Ta)Rds On (Max) @ Id, Vgs160 mOhm @ 1.5A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT-3Package / CaseTO-236-3, SC-59, SOT-23-3	Package	TO-236-3, SC-59, SOT-23-3
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C1.3A (Ta)Drive Voltage (Max Rds On, Min Rds On)2.7V, 4.5VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs5nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds162pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)500mW (Ta)Rds On (Max) @ Id, Vgs160 mOhm @ 1.5A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT-3Package / CaseTO-236-3, SC-59, SOT-23-3	Series	-
Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C1.3A (Ta)Drive Voltage (Max Rds On, Min Rds On)2.7V, 4.5VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs5nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds162pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)500mW (Ta)Rds On (Max) @ Id, Vgs160 mOhm @ 1.5A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT-3Package / CaseTO-236-3, SC-59, SOT-23-3	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) 2.7V, 4.5V Vgs(th) (Max) @ Id 1V @ 250µA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) #8V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 160 mOhm @ 1.5A, 4.5V Operating Temperature Supplier Device Package Package / Case 1.3A (Ta) 1.3A (Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)2.7V, 4.5VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs5nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds162pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)500mW (Ta)Rds On (Max) @ Id, Vgs160 mOhm @ 1.5A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT-3Package / CaseTO-236-3, SC-59, SOT-23-3	Drain to Source Voltage (Vdss)	20V
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 1V @ 250µA 162 PF 5nC @ 4.5V 162pF @ 10V +8V	Current - Continuous Drain (Id) @ 25°C	1.3A (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) EET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Formula Type Surface Mount Supplier Device Package Package / Case SupersOT-23 TO-236-3, SC-59, SOT-23-3	Drive Voltage (Max Rds On, Min Rds On)	2.7V, 4.5V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) EET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature For Temperature Surface Mount Supplier Device Package Package / Case 162pF @ 10V 162pF @ 10V 160mOhm @ 1.5A, 4.5V FET Feature Supplier Device Package SuperSOT-3 TO-236-3, SC-59, SOT-23-3	Vgs(th) (Max) @ Id	1V @ 250μA
Vgs (Max)±8VFET Feature-Power Dissipation (Max)500mW (Ta)Rds On (Max) @ Id, Vgs160 mOhm @ 1.5A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT-3Package / CaseTO-236-3, SC-59, SOT-23-3	Gate Charge (Qg) (Max) @ Vgs	5nC @ 4.5V
FET Feature - Power Dissipation (Max) 500mW (Ta) Rds On (Max) @ Id, Vgs 160 mOhm @ 1.5A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SuperSOT-3 Package / Case TO-236-3, SC-59, SOT-23-3	Input Capacitance (Ciss) (Max) @ Vds	162pF @ 10V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 160 mOhm @ 1.5A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SuperSOT-3 Package / Case TO-236-3, SC-59, SOT-23-3	Vgs (Max)	±8V
Rds On (Max) @ Id, Vgs160 mOhm @ 1.5A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT-3Package / CaseTO-236-3, SC-59, SOT-23-3	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SuperSOT-3 Package / Case TO-236-3, SC-59, SOT-23-3	Power Dissipation (Max)	500mW (Ta)
Mounting Type Surface Mount Supplier Device Package SuperSOT-3 Package / Case TO-236-3, SC-59, SOT-23-3	Rds On (Max) @ Id, Vgs	160 mOhm @ 1.5A, 4.5V
Supplier Device Package SuperSOT-3 Package / Case TO-236-3, SC-59, SOT-23-3	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-236-3, SC-59, SOT-23-3	Mounting Type	Surface Mount
	Supplier Device Package	SuperSOT-3
Report errors?	Package / Case	TO-236-3, SC-59, SOT-23-3
		Report errors?

NDS331N_D87Z 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.

NDS331N_D87Z Payment Methods



















NDS331N_D87Z Shipping Methods













If you have any question about NDS331N_D87Z, please do not hesitate to contact us!

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