



STD12NM50ND Information



For Reference Only

Part Number STD12NM50ND
Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 500V 11A 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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STD12NM50ND Specifications

Manufacturer Part Number STD12NM50ND Manufacturer STMicroelectronics Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series FDmesh? II FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 500V Current - Continuous Drain (Id) @ 25°C 11A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 30nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 850F @ 50V Vgs (Max) E57F @ 50V Vgs (Max) 0V Pett Feature - Power Dissipation (Max) 100W (Tc) Rds On (Max) @ Id, Vgs 380 mOhm @ 5.5A, 10V Operating Temperature 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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Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 11A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sv @ 250µA Gate Charge (Qg) (Max) @ Vgs 30nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 380 mOhm @ 5.5A, 10V Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Series	FDmesh? II
Drain to Source Voltage (Vdss)500VCurrent - Continuous Drain (Id) @ 25°C11A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs30nC @ 10VInput Capacitance (Ciss) (Max) @ Vds850pF @ 50VVgs (Max)±25VFET Feature-Power Dissipation (Max)100W (Tc)Rds On (Max) @ Id, Vgs380 mOhm @ 5.5A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sty @ 250µA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) **ET Feature** Power Dissipation (Max) Rds On (Max) @ Id, Vgs 380 mOhm @ 5.5A, 10V Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case **To-252-3, DPak (2 Leads + Tab), SC-63	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs30nC @ 10VInput Capacitance (Ciss) (Max) @ Vds850pF @ 50VVgs (Max)±25VFET Feature-Power Dissipation (Max)100W (Tc)Rds On (Max) @ Id, Vgs380 mOhm @ 5.5A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	500V
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 Mounting Type Surface Mount Supplier Device Package Package / Case SV @ 250μA 5V @ 250μA 30nC @ 10V 850pF @ 50V +25V FET Feature - 100W (Tc) 380 mOhm @ 5.5A, 10V Operating Temperature 150°C (TJ) Surface Mount DPAK TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	11A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 850pF @ 50V Vgs (Max) ±25V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 380 mOhm @ 5.5A, 10V Operating Temperature 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)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±25V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 380 mOhm @ 5.5A, 10V Operating Temperature 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	5V @ 250μA
Vgs (Max)±25VFET Feature-Power Dissipation (Max)100W (Tc)Rds On (Max) @ Id, Vgs380 mOhm @ 5.5A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	30nC @ 10V
FET Feature - 100W (Tc) Rds On (Max) @ Id, Vgs 380 mOhm @ 5.5A, 10V Operating Temperature 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	850pF @ 50V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 380 mOhm @ 5.5A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs (Max)	±25V
Rds On (Max) @ Id, Vgs380 mOhm @ 5.5A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Feature	-
Operating Temperature 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)	100W (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	380 mOhm @ 5.5A, 10V
Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Operating Temperature	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?

STD12NM50ND 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.

STD12NM50ND Payment Methods



















STD12NM50ND Shipping Methods













If you have any question about STD12NM50ND, please do not hesitate to contact us!

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