



STW54NM65ND Information



For Reference Only

Part Number STW54NM65ND
Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 650V 59A TO-247

Package TO-247-3

For the pricing/inventory/lead time, please contact

us

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



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STW54NM65ND Specifications

Manufacturer Part Number STW54NM65ND Manufacturer STMicroelectronics Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-247-3 Series FDmesh? II FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 650V Current - Continuous Drain (Id) @ 25°C 49A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 188nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6200pF @ 50V Vgs (Max) ±25V FET Feature - Power Dissipation (Max) 350W (Tc) Rds On (Max) @ Id, Vgs 65 mOhm @ 24.5A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3 Report errors?		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-247-3 Series FDmesh? II FET Type N-Channel Technology MOSFET (Metal Oxide) To source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C Prive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 188nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ### 25V	Manufacturer Part Number	STW54NM65ND
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Series FDmesh? II FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 650V Current - Continuous Drain (Id) @ 25°C 49A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 188nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6200pF @ 50V Vgs (Max) ±25V FET Feature - Power Dissipation (Max) 350W (Tc) Rds On (Max) @ Id, Vgs 65 mOhm @ 24.5A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)650VCurrent - Continuous Drain (Id) @ 25°C49A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs188nC @ 10VInput Capacitance (Ciss) (Max) @ Vds6200pF @ 50VVgs (Max)±25VFET Feature-Power Dissipation (Max)350W (Tc)Rds On (Max) @ Id, Vgs65 mOhm @ 24.5A, 10VOperating Temperature150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247-3Package / CaseTO-247-3	Package	TO-247-3
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Drain to Source Voltage (Vdss)650 VCurrent - Continuous Drain (Id) @ 25°C49A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs188nC @ 10VInput Capacitance (Ciss) (Max) @ Vds6200pF @ 50VVgs (Max)±25VFET Feature-Power Dissipation (Max)350W (Tc)Rds On (Max) @ Id, Vgs65 mOhm @ 24.5A, 10VOperating Temperature150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247-3Package / CaseTO-247-3	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) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 65 mOhm @ 24.5A, 10V Operating Temperature Mounting Type Through Hole Supplier Device Package Package / Case 49A (Tc) 49A	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs188nC @ 10VInput Capacitance (Ciss) (Max) @ Vds6200pF @ 50VVgs (Max)±25VFET Feature-Power Dissipation (Max)350W (Tc)Rds On (Max) @ Id, Vgs65 mOhm @ 24.5A, 10VOperating Temperature150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247-3Package / CaseTO-247-3	Drain to Source Voltage (Vdss)	650V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 6200pF @ 50V Vgs (Max) +25V FET Feature - Power Dissipation (Max) 350W (Tc) Rds On (Max) @ Id, Vgs 65 mOhm @ 24.5A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3	Current - Continuous Drain (Id) @ 25°C	49A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 6200pF @ 50V Vgs (Max) ±25V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 65 mOhm @ 24.5A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 65 mOhm @ 24.5A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3	Vgs(th) (Max) @ Id	5V @ 250μA
Vgs (Max)±25VFET Feature-Power Dissipation (Max)350W (Tc)Rds On (Max) @ Id, Vgs65 mOhm @ 24.5A, 10VOperating Temperature150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247-3Package / CaseTO-247-3	Gate Charge (Qg) (Max) @ Vgs	188nC @ 10V
FET Feature - Grown Dissipation (Max) 350W (Tc) Rds On (Max) @ Id, Vgs 65 mOhm @ 24.5A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3	Input Capacitance (Ciss) (Max) @ Vds	6200pF @ 50V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 65 mOhm @ 24.5A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3	Vgs (Max)	±25V
Rds On (Max) @ Id, Vgs 65 mOhm @ 24.5A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3	FET Feature	-
Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3	Power Dissipation (Max)	350W (Tc)
Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3	Rds On (Max) @ Id, Vgs	65 mOhm @ 24.5A, 10V
Supplier Device Package TO-247-3 Package / Case TO-247-3	Operating Temperature	150°C (TJ)
Package / Case TO-247-3	Mounting Type	Through Hole
	Supplier Device Package	TO-247-3
Report errors?	Package / Case	TO-247-3
		Report errors?

STW54NM65ND 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.

STW54NM65ND Payment Methods



















STW54NM65ND Shipping Methods













If you have any question about STW54NM65ND, please do not hesitate to contact us!

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