



STW21NM60ND Information



For Reference Only

Part Number STW21NM60ND
Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 600V 17A 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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Certified Quality

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STW21NM60ND Specifications

Manufacturer Part Number STW21NM60ND 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) 600V Current - Continuous Drain (Id) @ 25°C 17A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 60nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1800pF @ 50V Vgs (Max) ±25V FET Feature - Power Dissipation (Max) 140W (Tc) Rds On (Max) @ Id, Vgs 220 mOhm @ 8.5A, 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) Parin to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 17A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vds 1800pF @ 50V Vgs (Max) Vgs (Max) **ET Feature** Power Dissipation (Max) Rds On (Max) Rds On (Max) @ 1d, Vgs Dissipation (Max) Poperating Temperature Mounting Type Supplier Device Package Package / Case TO-247-3 Package / Case	Manufacturer Part Number	STW21NM60ND
Package TO-247-3 Series FDmesh? II FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 600V Current - Continuous Drain (Id) @ 25°C 17A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 60nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1800pF @ 50V Vgs (Max) ±25V FET Feature - Power Dissipation (Max) 140W (Tc) Rds On (Max) @ Id, Vgs 220 mOhm @ 8.5A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3	Manufacturer	STMicroelectronics
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SeriesFDmesh? IIFET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C17A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250µAGate Charge (Qg) (Max) @ Vgs60nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1800pF @ 50VVgs (Max)±25VFET Feature-Power Dissipation (Max)140W (Tc)Rds On (Max) @ Id, Vgs220 mOhm @ 8.5A, 10VOperating Temperature150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247-3Package / CaseTO-247-3		Transistors - FETs, MOSFETs - Single
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Current - Continuous Drain (Id) @ 25°C 17A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 60nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1800pF @ 50V Vgs (Max) ±25V FET Feature Power Dissipation (Max) 140W (Tc) Rds On (Max) @ Id, Vgs 220 mOhm @ 8.5A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs60nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1800pF @ 50VVgs (Max)±25VFET Feature-Power Dissipation (Max)140W (Tc)Rds On (Max) @ Id, Vgs220 mOhm @ 8.5A, 10VOperating Temperature150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247-3Package / CaseTO-247-3	Drain to Source Voltage (Vdss)	600V
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 150°C (TJ) Mounting Type Supplier Device Package TO-247-3 Package / Case 5V @ 250μA 5V @ 250μA 60nC @ 10V 1800pF @ 50V ±25V FET Geature - 220 mOhm @ 8.5A, 10V Through Hole Through Hole	Current - Continuous Drain (Id) @ 25°C	17A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case 60nC @ 10V 1800pF @ 50V 140W (Tc) 150°C (TJ) Through Hole	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 220 mOhm @ 8.5A, 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)140W (Tc)Rds On (Max) @ Id, Vgs220 mOhm @ 8.5A, 10VOperating Temperature150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247-3Package / CaseTO-247-3	Gate Charge (Qg) (Max) @ Vgs	60nC @ 10V
FET Feature - 140W (Tc) Rds On (Max) @ Id, Vgs 220 mOhm @ 8.5A, 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	1800pF @ 50V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 220 mOhm @ 8.5A, 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, Vgs220 mOhm @ 8.5A, 10VOperating Temperature150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247-3Package / CaseTO-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)	140W (Tc)
Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3	Rds On (Max) @ Id, Vgs	220 mOhm @ 8.5A, 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?

STW21NM60ND 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.

STW21NM60ND Payment Methods



















STW21NM60ND Shipping Methods













If you have any question about STW21NM60ND, please do not hesitate to contact us!

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