



STP60NH2LL Information



For Reference Only

Part Number STP60NH2LL

Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 24V 40A TO-220

Package TO-220-3

For the pricing/inventory/lead time, please contact

us

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



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STP60NH2LL Specifications

Manufacturer Part Number Manufacturer Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-220-3 Series STripFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 40A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ##REFT Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 11 mOhm @ 20A, 10V Operating Temperature Mounting Type Supplier Device Package Package / Case Report errors?		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-220-3 Series STripFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 24V Current - Continuous Drain (Id) @ 25°C 40A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 1V @ 250µA Gate Charge (Qg) (Max) @ Vgs 27nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 990pF @ 25V Vgs (Max) ±18V FET Feature - Power Dissipation (Max) 60W (Tc) Rds On (Max) @ Id, Vgs 11 mOhm @ 20A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220AB	Manufacturer Part Number	STP60NH2LL
Package TO-220-3 Series STripFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 24V Current - Continuous Drain (Id) @ 25°C 40A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 1V @ 250μA Gate Charge (Qg) (Max) @ Vgs 27nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 990pF @ 25V Vgs (Max) ±18V FET Feature - Power Dissipation (Max) 60W (Tc) Rds On (Max) @ Id, Vgs 11 mOhm @ 20A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Manufacturer	STMicroelectronics
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Series STripFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 24V Current - Continuous Drain (Id) @ 25°C 40A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 1V @ 250µA Gate Charge (Qg) (Max) @ Vgs 27nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 990pF @ 25V Vgs (Max) ±18V FET Feature - Power Dissipation (Max) 60W (Tc) Rds On (Max) @ Id, Vgs 11 mOhm @ 20A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)24VCurrent - Continuous Drain (Id) @ 25°C40A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs27nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds990pF @ 25VVgs (Max)±18VFET Feature-Power Dissipation (Max)60W (Tc)Rds On (Max) @ Id, Vgs11 mOhm @ 20A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	Package	TO-220-3
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 40A (Tc) Drive Voltage (Max Rds On, Min Rds On) 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 11 mOhm @ 20A, 10V Operating Temperature Supplier Device Package Package / Case MOSFET (Metal Oxide) 24V 40A (Tc) 40A (Tc) 40S (Series	STripFET?
Drain to Source Voltage (Vdss)24VCurrent - Continuous Drain (Id) @ 25°C40A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs27nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds990pF @ 25VVgs (Max)±18VFET Feature-Power Dissipation (Max)60W (Tc)Rds On (Max) @ Id, Vgs11 mOhm @ 20A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	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) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 11 mOhm @ 20A, 10V Operating Temperature Supplier Device Package Package / Case 40A (Tc) 40A (Tc) 45V 40A (Tc) 45V 40A (Tc) 45V 40A (Tc) 45V 45V 45V 45V 45V 45V 45V 45	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs27nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds990pF @ 25VVgs (Max)±18VFET Feature-Power Dissipation (Max)60W (Tc)Rds On (Max) @ Id, Vgs11 mOhm @ 20A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	Drain to Source Voltage (Vdss)	24V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 990pF @ 25V Vgs (Max) ±18V FET Feature - Power Dissipation (Max) 60W (Tc) Rds On (Max) @ Id, Vgs 11 mOhm @ 20A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package Package / Case TO-220AB	Current - Continuous Drain (Id) @ 25°C	40A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 990pF @ 25V Vgs (Max) ±18V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 11 mOhm @ 20A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±18V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 11 mOhm @ 20A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Vgs(th) (Max) @ Id	1V @ 250μA
Vgs (Max)±18VFET Feature-Power Dissipation (Max)60W (Tc)Rds On (Max) @ Id, Vgs11 mOhm @ 20A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	Gate Charge (Qg) (Max) @ Vgs	27nC @ 4.5V
FET Feature - Cover Dissipation (Max) 60W (Tc) Rds On (Max) @ Id, Vgs 11 mOhm @ 20A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Input Capacitance (Ciss) (Max) @ Vds	990pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 11 mOhm @ 20A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Vgs (Max)	±18V
Rds On (Max) @ Id, Vgs11 mOhm @ 20A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Power Dissipation (Max)	60W (Tc)
Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Rds On (Max) @ Id, Vgs	11 mOhm @ 20A, 10V
Supplier Device Package TO-220AB Package / Case TO-220-3	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-220-3	Mounting Type	Through Hole
-	Supplier Device Package	TO-220AB
Report errors?	Package / Case	TO-220-3
		Report errors?

STP60NH2LL 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.

STP60NH2LL Payment Methods



















STP60NH2LL Shipping Methods













If you have any question about STP60NH2LL, please do not hesitate to contact us!

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