



### **STP8NM60FP Information**



For Reference Only

Part Number STP8NM60FP
Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 650V 8A TO-220FP

Package TO-220-3 Full Pack

For the pricing/inventory/lead time, please contact

us

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



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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.









# **STP8NM60FP Specifications**

Manufacturer Part Number         STP8NM60FP           Manufacturer         STMicroelectronics           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-220-3 Full Pack           Series         MDmesh?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         650V           Current - Continuous Drain (Id) @ 25°C         8A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         5V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         18nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         400pF @ 25V           Vgs (Max)         ± 30V           FET Feature         -           Power Dissipation (Max)         30W (Tc)           Rds On (Max) @ Id, Vgs         1 Ohm @ 2.5A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TO-220FP           Package / Case         TO-220-3 Full Pack           Report errors?         Report errors?		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single  Package TO-220-3 Full Pack Series MDmesh? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 8A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 18nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max)  ET Feature -Power Dissipation (Max) Source Voltage (Max) @ 30W (Tc) Rds On (Max) @ Id, Vgs 1 Ohn @ 2.5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Supplier Device Package TO-220FP Package / Case	Manufacturer Part Number	STP8NM60FP
Package         TO-220-3 Full Pack           Series         MDmesh?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         650V           Current - Continuous Drain (Id) @ 25°C         8A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         18nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         400pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         30W (Tc)           Rds On (Max) @ Id, Vgs         1 Ohm @ 2.5A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TO-220FP           Package / Case         TO-220-3 Full Pack	Manufacturer	STMicroelectronics
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SeriesMDmesh?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)650VCurrent - Continuous Drain (Id) @ 25°C8A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250µAGate Charge (Qg) (Max) @ Vgs18nC @ 10VInput Capacitance (Ciss) (Max) @ Vds400pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)30W (Tc)Rds On (Max) @ Id, Vgs1 Ohm @ 2.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220FPPackage / CaseTO-220-3 Full Pack		Transistors - FETs, MOSFETs - Single
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)650VCurrent - Continuous Drain (Id) @ 25°C8A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs18nC @ 10VInput Capacitance (Ciss) (Max) @ Vds400pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)30W (Tc)Rds On (Max) @ Id, Vgs1 Ohm @ 2.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220FPPackage / CaseTO-220-3 Full Pack	Series	MDmesh?
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Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  St @ 250μA  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  1 Ohm @ 2.5A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-220FP  Package / Case  TO-220-3 Full Pack	Drain to Source Voltage (Vdss)	650V
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  5V @ 250μA  18nC @ 10V  18nC @ 10V  400pF @ 25V  25V  230V  10hm @ 2.5A, 10V  10hm @ 2.5A, 1	Current - Continuous Drain (Id) @ 25°C	8A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  400pF @ 25V  Vgs (Max)  ±30V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  1 Ohm @ 2.5A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-220FP  Package / Case  TO-220-3 Full Pack	Drive Voltage (Max Rds On, Min Rds On)	10V
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Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-220FP  Package / Case  TO-220-3 Full Pack	Power Dissipation (Max)	30W (Tc)
Mounting Type Through Hole Supplier Device Package TO-220FP Package / Case TO-220-3 Full Pack	Rds On (Max) @ Id, Vgs	1 Ohm @ 2.5A, 10V
Supplier Device Package TO-220FP Package / Case TO-220-3 Full Pack	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-220-3 Full Pack	Mounting Type	Through Hole
	Supplier Device Package	TO-220FP
Report errors?	Package / Case	TO-220-3 Full Pack
		Report errors?

#### STP8NM60FP 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.

## **STP8NM60FP Payment Methods**



















### **STP8NM60FP Shipping Methods**













If you have any question about STP8NM60FP, please do not hesitate to contact us!

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