



### STP80NF55-06FP Information



For Reference Only

Part Number STP80NF55-06FP
Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 55V 60A 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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# **Certified Quality**

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# STP80NF55-06FP Specifications

Manufacturer Part Number         STP80NF55-06FP           Manufacturer         STMicroelectronics           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-220-3 Full Pack           Series         STripFET? II           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         55V           Current - Continuous Drain (Id) @ 25°C         60A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         189nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         4400pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         45W (Tc)           Rds On (Max) @ Id, Vgs         6.5 mOhm @ 40A, 10V           Operating Temperature         -55°C ~ 175°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TO-220FP           Package / Case         TO-220-3 Full Pack		
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Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 60A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 189nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 4400pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 6.5 mOhm @ 40A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220FP Package / Case TO-220F3 FUIL Mounting Type Through Hole	Series	STripFET? II
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FET Feature - Comparison - FET Feature - Comparison (Max) 45W (Tc)  Rds On (Max) @ Id, Vgs 6.5 mOhm @ 40A, 10V  Operating Temperature -55°C ~ 175°C (TJ)  Mounting Type Through Hole  Supplier Device Package TO-220FP  Package / Case TO-220-3 Full Pack	Input Capacitance (Ciss) (Max) @ Vds	4400pF @ 25V
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Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-220FP  Package / Case  TO-220-3 Full Pack	Power Dissipation (Max)	45W (Tc)
Mounting Type Through Hole Supplier Device Package TO-220FP Package / Case TO-220-3 Full Pack	Rds On (Max) @ Id, Vgs	6.5 mOhm @ 40A, 10V
Supplier Device Package TO-220FP Package / Case TO-220-3 Full Pack	Operating Temperature	-55°C ~ 175°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?

#### STP80NF55-06FP 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.

## STP80NF55-06FP Payment Methods



















### STP80NF55-06FP Shipping Methods













If you have any question about STP80NF55-06FP, please do not hesitate to contact us!

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