



## NDF06N60ZH Information



For Reference Only

Part Number NDF06N60ZH
Manufacturer ON Semiconductor

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 600V 7.1A TO220FP

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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# NDF06N60ZH Specifications

Manufacturer Part Number         NDF06N60ZH           Manufacturer         ON Semiconductor           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-220-3 Full Pack           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         600V           Current - Continuous Drain (Id) @ 25°C         7.1A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4.5V @ 100μA           Gate Charge (Qg) (Max) @ Vgs         47nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1107pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         35W (Tc)           Rds On (Max) @ Id, Vgs         1.2 Ohm @ 3A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TO-220FP           Package / Case         TO-220-3 Full Pack		
CategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackageTO-220-3 Full PackSeries-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C7.1A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.5V @ 100μAGate Charge (Qg) (Max) @ Vgs47nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1107pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)35W (Tc)Rds On (Max) @ Id, Vgs1.2 Ohm @ 3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220FPPackage / CaseTO-220F2	Manufacturer Part Number	NDF06N60ZH
Package         TO-220-3 Full Pack           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         600V           Current - Continuous Drain (Id) @ 25°C         7.1A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4.5V @ 100μA           Gate Charge (Qg) (Max) @ Vgs         47nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1107pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         35W (Tc)           Rds On (Max) @ Id, Vgs         1.2 Ohm @ 3A, 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	ON Semiconductor
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C7.1A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.5V @ 100μAGate Charge (Qg) (Max) @ Vgs47nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1107pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)35W (Tc)Rds On (Max) @ Id, Vgs1.2 Ohm @ 3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220FPPackage / CaseTO-220-3 Full Pack	Series	-
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Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.5V @ 100μAGate Charge (Qg) (Max) @ Vgs47nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1107pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)35W (Tc)Rds On (Max) @ Id, Vgs1.2 Ohm @ 3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220FPPackage / CaseTO-220-3 Full Pack	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  Supplier Device Package  Package / Case  4.5V @ 100μA  4.5V @ 100μ  4.5V @ 100μA  1.2 OV  1.2 OV  1.2 Ohm @ 3A, 10V  4.5V @ 100μA  5.5° C ~ 150° C (TJ)  Through Hole  5upplier Device Package  TO-220FP	Current - Continuous Drain (Id) @ 25°C	7.1A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  1107pF @ 25V  Vgs (Max)  ±30V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  1.2 Ohm @ 3A, 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
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  1.2 Ohm @ 3A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-220FP  Package / Case  TO-220-3 Full Pack	Vgs(th) (Max) @ Id	4.5V @ 100μA
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Rds On (Max) @ Id, Vgs1.2 Ohm @ 3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220FPPackage / CaseTO-220-3 Full Pack	FET Feature	-
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)	35W (Tc)
Mounting Type Through Hole Supplier Device Package TO-220FP Package / Case TO-220-3 Full Pack	Rds On (Max) @ Id, Vgs	1.2 Ohm @ 3A, 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?

#### NDF06N60ZH 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.

## NDF06N60ZH Payment Methods



















## NDF06N60ZH Shipping Methods













If you have any question about NDF06N60ZH, please do not hesitate to contact us!

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