



### STW36N60M6 Information

Heisener.com

Part Number STW36N60M6
Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** N-CHANNEL 600V M6 POWER MOSFET

Package TO-247-3

For the pricing/inventory/lead time, please contact

us

For Reference Only

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## STW36N60M6 Specifications

Manufacturer Part Number         STW36N60M6           Manufacturer         STMicroelectronics           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-247-3           Series         MDmesh? M6           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         600V           Current - Continuous Drain (Id) @ 25°C         30A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4.75V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         44.3nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1960pF @ 100V           Vgs (Max)         ±25V           FET Feature         -           Power Dissipation (Max)         208W (Tc)           Rds On (Max) @ Id, Vgs         99 mOhm @ 15A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TO-247           Package / Case         TO-247-3		
Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-247-3           Series         MDmesh? M6           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         600V           Current - Continuous Drain (Id) @ 25°C         30A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4.75 V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         44.3nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1960pF @ 100V           Vgs (Max)         ±25V           FET Feature         -           Power Dissipation (Max)         208W (Tc)           Rds On (Max) @ Id, Vgs         99 mOhm @ 15A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TO-247-3           Package / Case         TO-247-3	Manufacturer Part Number	STW36N60M6
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FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C30A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.75V @ 250μAGate Charge (Qg) (Max) @ Vgs44.3nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1960pF @ 100VVgs (Max)±25VFET Feature-Power Dissipation (Max)208W (Tc)Rds On (Max) @ Id, Vgs99 mOhm @ 15A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247Package / CaseTO-247-3	Package	TO-247-3
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C30A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.75V @ 250μAGate Charge (Qg) (Max) @ Vgs44.3nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1960pF @ 100VVgs (Max)±25VFET Feature-Power Dissipation (Max)208W (Tc)Rds On (Max) @ Id, Vgs99 mOhm @ 15A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247Package / CaseTO-247-3	Series	MDmesh? M6
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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  Operating Temperature  Supplier Device Package  Package / Case  30A (Tc)  4.75V @ 250µA  4.3nC @ 10V  1960pF @ 100V  4.75V  208W (Tc)  99 mOhm @ 15A, 10V  755°C ~ 150°C (TJ)  Through Hole  TO-247  Package / Case  TO-247-3	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.75V @ 250μAGate Charge (Qg) (Max) @ Vgs44.3nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1960pF @ 100VVgs (Max)±25VFET Feature-Power Dissipation (Max)208W (Tc)Rds On (Max) @ Id, Vgs99 mOhm @ 15A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247Package / CaseTO-247-3	Drain to Source Voltage (Vdss)	600V
Vgs(th) (Max) @ Id       4.75V @ 250μA         Gate Charge (Qg) (Max) @ Vgs       44.3nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       1960pF @ 100V         Vgs (Max)       ±25V         FET Feature       -         Power Dissipation (Max)       208W (Tc)         Rds On (Max) @ Id, Vgs       99 mOhm @ 15A, 10V         Operating Temperature       -55°C ~ 150°C (TJ)         Mounting Type       Through Hole         Supplier Device Package       TO-247         Package / Case       TO-247-3	Current - Continuous Drain (Id) @ 25°C	30A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  1960pF @ 100V  Vgs (Max)  ±25V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  99 mOhm @ 15A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-247  Package / Case  TO-247-3	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  99 mOhm @ 15A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-247  Package / Case  TO-247-3	Vgs(th) (Max) @ Id	4.75V @ 250μA
Vgs (Max)±25VFET Feature-Power Dissipation (Max)208W (Tc)Rds On (Max) @ Id, Vgs99 mOhm @ 15A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247Package / CaseTO-247-3	Gate Charge (Qg) (Max) @ Vgs	44.3nC @ 10V
FET Feature - Common Co	Input Capacitance (Ciss) (Max) @ Vds	1960pF @ 100V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  99 mOhm @ 15A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-247  Package / Case  TO-247-3	Vgs (Max)	±25V
Rds On (Max) @ Id, Vgs99 mOhm @ 15A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247Package / CaseTO-247-3	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Through Hole  Supplier Device Package TO-247  Package / Case TO-247-3	Power Dissipation (Max)	208W (Tc)
Mounting Type Through Hole Supplier Device Package TO-247 Package / Case TO-247-3	Rds On (Max) @ Id, Vgs	99 mOhm @ 15A, 10V
Supplier Device Package TO-247 Package / Case TO-247-3	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-247-3	Mounting Type	Through Hole
	Supplier Device Package	TO-247
Report errors?	Package / Case	TO-247-3
		Report errors?

#### STW36N60M6 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.

## STW36N60M6 Payment Methods



















## STW36N60M6 Shipping Methods













If you have any question about STW36N60M6, please do not hesitate to contact us!

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