



### STU8N65M5 Information



For Reference Only

Part Number STU8N65M5

Manufacturer STMicroelectronics

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 650V 7A IPAK

Package TO-251-3 Short Leads, IPak, TO-251AA

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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## **STU8N65M5 Specifications**

Manufacturer Part Number         STU8N65M5           Manufacturer         STMicroelectronics           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-251-3 Short Leads, IPak, TO-251AA           Series         MDmesh? V           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         650V           Current - Continuous Drain (Id) @ 25°C         7A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         5V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         15nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         690pF @ 100V           Vgs (Max)         ±25V           FET Feature         -           Power Dissipation (Max)         70W (Tc)           Rds On (Max) @ Id, Vgs         600 mOhm @ 3.5A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         I-Pak           Package / Case         TO-251-3 Short Leads, IPak, TO-251AA		
CategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackageTO-251-3 Short Leads, IPak, TO-251AASeriesMDmesh? VFET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)650VCurrent - Continuous Drain (Id) @ 25°C7A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250µAGate Charge (Qg) (Max) @ Vgs15nC @ 10VInput Capacitance (Ciss) (Max) @ Vds690pF @ 100VVgs (Max)±25VFET Feature-Power Dissipation (Max)70W (Tc)Rds On (Max) @ Id, Vgs600 mOhm @ 3.5A, 10VOperating Temperature150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageI-PakPackage / CaseTO-251-3 Short Leads, IPak, TO-251AA	Manufacturer Part Number	STU8N65M5
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FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  650V  Current - Continuous Drain (Id) @ 25°C  7A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Sty @ 250µA  Gate Charge (Qg) (Max) @ Vgs  15nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  690pF @ 100V  Vgs (Max)  ±25V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  600 mOhm @ 3.5A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  I-Pak  Package / Case  N-Channel  NOSFET (Metal Oxide)  Above  150°V  7A (Tc)  A (Tc)  DV  15nC @ 10V  690pF @ 100V  70V  Through Hole  150°C (TJ)  Nounting Type  Through Hole  1-Pak  Package / Case	Package	TO-251-3 Short Leads, IPak, TO-251AA
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)650VCurrent - Continuous Drain (Id) @ 25°C7A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs15nC @ 10VInput Capacitance (Ciss) (Max) @ Vds690pF @ 100VVgs (Max)±25VFET Feature-Power Dissipation (Max)70W (Tc)Rds On (Max) @ Id, Vgs600 mOhm @ 3.5A, 10VOperating Temperature150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageI-PakPackage / CaseTO-251-3 Short Leads, IPak, TO-251AA	Series	MDmesh? V
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  7A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Sv @ 250μA  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Mounting Type  Supplier Device Package  Package / Case  650V  7A (Tc)  7D (00 V  7D (10	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Sty @ 250μA  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Mounting Type  Through Hole  Supplier Device Package  Package / Case  7A (Tc)  10V  10V  5Vg 250μA  690pF @ 100V	Technology	MOSFET (Metal Oxide)
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)  ET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  150°C (TJ)  Mounting Type  Supplier Device Package  Package / Case  10V  690pF @ 100V  690pF @ 100V  70W (Tc)  600 mOhm @ 3.5A, 10V  Through Hole  Supplier Device Package  I-Pak  TO-251-3 Short Leads, IPak, TO-251AA	Drain to Source Voltage (Vdss)	650V
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Operating Temperature 150°C (TJ)  Mounting Type Through Hole  Supplier Device Package I-Pak  Package / Case TO-251-3 Short Leads, IPak, TO-251AA	Power Dissipation (Max)	70W (Tc)
Mounting Type Through Hole Supplier Device Package I-Pak Package / Case TO-251-3 Short Leads, IPak, TO-251AA	Rds On (Max) @ Id, Vgs	600 mOhm @ 3.5A, 10V
Supplier Device Package  I-Pak  Package / Case  TO-251-3 Short Leads, IPak, TO-251AA	Operating Temperature	150°C (TJ)
Package / Case TO-251-3 Short Leads, IPak, TO-251AA	Mounting Type	Through Hole
	Supplier Device Package	I-Pak
Report errors?	Package / Case	TO-251-3 Short Leads, IPak, TO-251AA
		Report errors?

#### STU8N65M5 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.

### STU8N65M5 Payment Methods



















## STU8N65M5 Shipping Methods













If you have any question about STU8N65M5, please do not hesitate to contact us!

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