



### STU7LN80K5 Information



For Reference Only

Part Number STU7LN80K5
Manufacturer STMicroelectronics

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 800V 5A 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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# STU7LN80K5 Specifications

Manufacturer Part Number         STULN80K5           Manufacturer         STMicroelectronics           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-251-3 Short Leads, IPak, TO-251AA           Series         MDmesh?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         800V           Current - Continuous Drain (Id) @ 25°C         5A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         5V @ 100µA           Gate Charge (Qg) (Max) @ Vgs         12nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         270pF @ 100V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         85W (Tc)           Rds On (Max) @ Id, Vgs         1.15 Ohm @ 2.5A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         IPAK (TO-251)           Package / Case         TO-251-3 Short Leads, IPak, TO-251AA		
CategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackageTO-251-3 Short Leads, IPak, TO-251AASeriesMDmesh?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)800VCurrent - Continuous Drain (Id) @ 25°C5A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 100µAGate Charge (Qg) (Max) @ Vgs12nC @ 10VInput Capacitance (Ciss) (Max) @ Vds270pF @ 100VVgs (Max)±30VFET Feature-Power Dissipation (Max)85W (Tc)Rds On (Max) @ Id, Vgs1.15 Ohm @ 2.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageIPAK (TO-251)Package / CaseTO-251-3 Short Leads, IPak, TO-251AA	Manufacturer Part Number	STU7LN80K5
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)800VCurrent - Continuous Drain (Id) @ 25°C5A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 100μAGate Charge (Qg) (Max) @ Vgs12nC @ 10VInput Capacitance (Ciss) (Max) @ Vds270pF @ 100VVgs (Max)±30VFET Feature-Power Dissipation (Max)85W (Tc)Rds On (Max) @ Id, Vgs1.15 Ohm @ 2.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageIPAK (TO-251)Package / CaseTO-251-3 Short Leads, IPak, TO-251AA	Series	MDmesh?
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Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 100μAGate Charge (Qg) (Max) @ Vgs12nC @ 10VInput Capacitance (Ciss) (Max) @ Vds270pF @ 100VVgs (Max)±30VFET Feature-Power Dissipation (Max)85W (Tc)Rds On (Max) @ Id, Vgs1.15 Ohm @ 2.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageIPAK (TO-251)Package / CaseTO-251-3 Short Leads, IPak, TO-251AA	Drain to Source Voltage (Vdss)	800V
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Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  IPAK (TO-251)  Package / Case  TO-251-3 Short Leads, IPak, TO-251AA	Power Dissipation (Max)	85W (Tc)
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Package / Case TO-251-3 Short Leads, IPak, TO-251AA	Mounting Type	Through Hole
	Supplier Device Package	IPAK (TO-251)
Report errors?	Package / Case	TO-251-3 Short Leads, IPak, TO-251AA
		Report errors?

#### STU7LN80K5 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.

## **STU7LN80K5 Payment Methods**



















### STU7LN80K5 Shipping Methods













If you have any question about STU7LN80K5, please do not hesitate to contact us!

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