



## STS15N4LLF3 Information



For Reference Only

Part Number STS15N4LLF3
Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 40V 15A 8SOIC **Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



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## STS15N4LLF3 Specifications

Manufacturer Part Number         STS15N4LLF3           Manufacturer         STMicroelectronics           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         8-SOIC (0.154", 3.90mm Width)           Series         STripFET?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         40V           Current - Continuous Drain (Id) @ 25°C         15A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         1V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         28nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         2530pF @ 25V           Vgs (Max)         ±16V           FET Feature         -           Power Dissipation (Max)         2.7W (Tc)           Rds On (Max) @ Id, Vgs         5 mOhm @ 7.5A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-SO           Package / Case         8-SOIC (0.154", 3.90mm Width)		
Category  Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single  8-SOIC (0.154", 3.90mm Width)  Series  STripFET?  FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  Parin to Source Voltage (Vdss)  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  2530pF @ 25V  Vgs (Max)  #16V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Dys (Max) @ Id, Vgs  Smoth	Manufacturer Part Number	STS15N4LLF3
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FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)40VCurrent - Continuous Drain (Id) @ 25°C15A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs28nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds2530pF @ 25VVgs (Max)±16VFET Feature-Power Dissipation (Max)2.7W (Tc)Rds On (Max) @ Id, Vgs5 mOhm @ 7.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	Package	8-SOIC (0.154", 3.90mm Width)
Technology  Drain to Source Voltage (Vdss)  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  MOSFET (Metal Oxide)  4.0V  4.0V  4.0V  4.0V  4.0V  4.5V, 10V  4.5V, 10V  4.5V, 10V  2.530μA  1 V @ 250μA  2.8nC @ 4.5V  2.530pF @ 25V  2.7W (Tc)  5 mOhm @ 7.5A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Surface Mount  Supplier Device Package  8-SO  8-SOIC (0.154", 3.90mm Width)	Series	STripFET?
Drain to Source Voltage (Vdss)40VCurrent - Continuous Drain (Id) @ 25°C15A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs28nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds2530pF @ 25VVgs (Max)±16VFET Feature-Power Dissipation (Max)2.7W (Tc)Rds On (Max) @ Id, Vgs5 mOhm @ 7.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	FET Type	N-Channel
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  SmOhm @ 7.5A, 10V  Operating Temperature  Supplier Device Package  Package / Case  15A (Tc)  15A (Tc)  15A (Tc)  15A (Tc)  15A (Tc)  15A (Tc)  15V (250µA  15V (250µA  2530pF @ 25V  2530pF @ 25V  2530pF @ 25V  2530pF @ 25V  2570C (TJ)  SmOhm @ 7.5A, 10V  2.7W (Tc)  Surface Mount  Supplier Device Package  8-SOIC (0.154", 3.90mm Width)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs28nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds2530pF @ 25VVgs (Max)±16VFET Feature-Power Dissipation (Max)2.7W (Tc)Rds On (Max) @ Id, Vgs5 mOhm @ 7.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	Drain to Source Voltage (Vdss)	40V
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Input Capacitance (Ciss) (Max) @ Vds  2530pF @ 25V  Vgs (Max)  ±16V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  5 mOhm @ 7.5A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  8-SO  Package / Case  8-SOIC (0.154", 3.90mm Width)	Vgs(th) (Max) @ Id	1V @ 250μA
Vgs (Max)±16VFET Feature-Power Dissipation (Max)2.7W (Tc)Rds On (Max) @ Id, Vgs5 mOhm @ 7.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	Gate Charge (Qg) (Max) @ Vgs	28nC @ 4.5V
FET Feature - Power Dissipation (Max) 2.7W (Tc)  Rds On (Max) @ Id, Vgs 5 mOhm @ 7.5A, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 8-SO  Package / Case 8-SOIC (0.154", 3.90mm Width)	Input Capacitance (Ciss) (Max) @ Vds	2530pF @ 25V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  5 mOhm @ 7.5A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  8-SO  Package / Case  8-SOIC (0.154", 3.90mm Width)	Vgs (Max)	±16V
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Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  8-SO  Package / Case  8-SOIC (0.154", 3.90mm Width)	Power Dissipation (Max)	2.7W (Tc)
Mounting Type Surface Mount Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)	Rds On (Max) @ Id, Vgs	5 mOhm @ 7.5A, 10V
Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 8-SOIC (0.154", 3.90mm Width)	Mounting Type	Surface Mount
	Supplier Device Package	8-SO
Report errors?	Package / Case	8-SOIC (0.154", 3.90mm Width)
		Report errors?

### STS15N4LLF3 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.

# STS15N4LLF3 Payment Methods





















## STS15N4LLF3 Shipping Methods













If you have any question about STS15N4LLF3, please do not hesitate to contact us!

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