



STS5N15F3 Information



For Reference Only

Part Number STS5N15F3

Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 150V 5A 8-SOIC **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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STS5N15F3 Specifications

Manufacturer Part Number STSSN15F3 Manufacturer STMicroelectronics Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 8-SOIC (0.154", 3.90mm Width) Series STripFET? III FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 150V Current - Continuous Drain (Id) @ 25°C 5A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 29nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1300pF @ 25V Vgs (Max) ±2V FET Feature - Power Dissipation (Max) 2.5W (Tc) Rds On (Max) @ Id, Vgs 57 mOhm @ 2.5A, 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)		
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Series STripFET? III FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 150V Current - Continuous Drain (Id) @ 25°C 5A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 29nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1300pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 2.5W (Tc) Rds On (Max) @ Id, Vgs 57 mOhm @ 2.5A, 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)		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)150VCurrent - Continuous Drain (Id) @ 25°C5A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs29nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1300pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)2.5W (Tc)Rds On (Max) @ Id, Vgs57 mOhm @ 2.5A, 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 5A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 1300pF @ 25V Input Capacitance (Ciss) (Max) @ Vds 1300pF @ 25V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 57 mOhm @ 2.5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-SOIC (0.154", 3.90mm Width)	Series	STripFET? III
Drain to Source Voltage (Vdss)150 VCurrent - Continuous Drain (Id) @ 25°C5A (Tc)Drive Voltage (Max Rds On, Min Rds On)10 VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs29nC @ 10 VInput Capacitance (Ciss) (Max) @ Vds1300pF @ 25 VVgs (Max)±20 VFET Feature-Power Dissipation (Max)2.5W (Tc)Rds On (Max) @ Id, Vgs57 mOhm @ 2.5A, 10 VOperating 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°C5A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs29nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1300pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)2.5W (Tc)Rds On (Max) @ Id, Vgs57 mOhm @ 2.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs29nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1300pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)2.5W (Tc)Rds On (Max) @ Id, Vgs57 mOhm @ 2.5A, 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)	150V
Vgs(th) (Max) @ Id	Current - Continuous Drain (Id) @ 25°C	5A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 1300pF @ 25V Vgs (Max) ±20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 57 mOhm @ 2.5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-SOIC (0.154", 3.90mm Width)	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 57 mOhm @ 2.5A, 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	4V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)2.5W (Tc)Rds On (Max) @ Id, Vgs57 mOhm @ 2.5A, 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	29nC @ 10V
FET Feature - Power Dissipation (Max) 2.5W (Tc) Rds On (Max) @ Id, Vgs 57 mOhm @ 2.5A, 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	1300pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 57 mOhm @ 2.5A, 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)	±20V
Rds On (Max) @ Id, Vgs57 mOhm @ 2.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	FET Feature	-
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)	2.5W (Tc)
Mounting Type Surface Mount Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)	Rds On (Max) @ Id, Vgs	57 mOhm @ 2.5A, 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?

STS5N15F3 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.

STS5N15F3 Payment Methods





















STS5N15F3 Shipping Methods













If you have any question about STS5N15F3, please do not hesitate to contact us!

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