



## STS6PF30L Information



For Reference Only

Part Number STS6PF30L

Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description**MOSFET P-CH 30V 6A 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



Request a Quote

# **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









# **STS6PF30L Specifications**

Manufacturer Part Number         STS6PF30L           Manufacturer         STMicroelectronics           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         8-SOIC (0.154", 3.90mm Width)           Series         STripFET?           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         6A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         5V, 10V           Vgs(th) (Max) @ Id         2.5V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         28nC @ 5V           Input Capacitance (Ciss) (Max) @ Vds         1670pF @ 25V           Vgs (Max)         ±16V           FET Feature         -           Power Dissipation (Max)         2.5W (Tc)           Rds On (Max) @ Id, Vgs         30 mOhm @ 3A, 10V           Operating Temperature         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           Package         8-SOIC (0.154", 3.90mm Width)           Series         STripFET?           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         6A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         5V, 10V           Vgs(th) (Max) @ Id         2.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         1670pF @ 25V           Input Capacitance (Ciss) (Max) @ Vds         1670pF @ 25V           Vgs (Max)         ±16V           FET Feature         -           Power Dissipation (Max)         2.5W (Tc)           Rds On (Max) @ Id, Vgs         30 mOhm @ 3A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-SO           Package / Case         8-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	STS6PF30L
Package         8-SOIC (0.154", 3.90mm Width)           Series         STripFET?           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         6A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         5V, 10V           Vgs(th) (Max) @ Id         2.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         28nC @ 5V           Input Capacitance (Ciss) (Max) @ Vds         1670pF @ 25V           Vgs (Max)         ±16V           FET Feature         -           Power Dissipation (Max)         2.5W (Tc)           Rds On (Max) @ Id, Vgs         30 mOhm @ 3A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-SO           Package / Case         8-SOIC (0.154", 3.90mm Width)	Manufacturer	STMicroelectronics
Package8-SOIC (0.154", 3.90mm Width)SeriesSTripFET?FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C6A (Tc)Drive Voltage (Max Rds On, Min Rds On)5V, 10VVgs(th) (Max) @ Id2.5V @ 250µAGate Charge (Qg) (Max) @ Vgs28nC @ 5VInput Capacitance (Ciss) (Max) @ Vds1670pF @ 25VVgs (Max)±16VFET Feature-Power Dissipation (Max)2.5W (Tc)Rds On (Max) @ Id, Vgs30 mOhm @ 3A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	Category	Discrete Semiconductor Products
SeriesSTripFET?FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C6A (Tc)Drive Voltage (Max Rds On, Min Rds On)5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs28nC @ 5VInput Capacitance (Ciss) (Max) @ Vds1670pF @ 25VVgs (Max)±16VFET Feature-Power Dissipation (Max)2.5W (Tc)Rds On (Max) @ Id, Vgs30 mOhm @ 3A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)		Transistors - FETs, MOSFETs - Single
FET Type P-Channel Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 30V  Current - Continuous Drain (Id) @ 25°C 6A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 5V, 10V  Vgs(th) (Max) @ Id 2.5V @ 250µA  Gate Charge (Qg) (Max) @ Vgs 28nC @ 5V  Input Capacitance (Ciss) (Max) @ Vds 1670pF @ 25V  Vgs (Max) ±16V  FET Feature - Power Dissipation (Max) 2.5W (Tc)  Rds On (Max) @ Id, Vgs 30 mOhm @ 3A, 10V  Operating Temperature 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 8-SO  Package / Case 8-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  6A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Cate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  MOSFET (Metal Oxide)  30V  MOSFET (Metal Oxide)  30V  30V  30V  30V  41C)  54A (Tc)  5	Series	STripFET?
Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C6A (Tc)Drive Voltage (Max Rds On, Min Rds On)5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs28nC @ 5VInput Capacitance (Ciss) (Max) @ Vds1670pF @ 25VVgs (Max)±16VFET Feature-Power Dissipation (Max)2.5W (Tc)Rds On (Max) @ Id, Vgs30 mOhm @ 3A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	FET Type	P-Channel
Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Cate 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  Surface Mount  Supplier Device Package  Package / Case  6A (Tc)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs28nC @ 5VInput Capacitance (Ciss) (Max) @ Vds1670pF @ 25VVgs (Max)±16VFET Feature-Power Dissipation (Max)2.5W (Tc)Rds On (Max) @ Id, Vgs30 mOhm @ 3A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	Drain to Source Voltage (Vdss)	30V
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  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  8-SOIC (0.154", 3.90mm Width)	Current - Continuous Drain (Id) @ 25°C	6A (Tc)
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  Surface Mount  Supplier Device Package  Package / Case  28nC @ 5V  1670pF @ 25V  25W (Tc)  2.5W (Tc)  30 mOhm @ 3A, 10V  Surface Mount  8-SO  8-SOIC (0.154", 3.90mm Width)	Drive Voltage (Max Rds On, Min Rds On)	5V, 10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ±16V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  30 mOhm @ 3A, 10V  Operating Temperature  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	2.5V @ 250μA
Vgs (Max)±16VFET Feature-Power Dissipation (Max)2.5W (Tc)Rds On (Max) @ Id, Vgs30 mOhm @ 3A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	Gate Charge (Qg) (Max) @ Vgs	28nC @ 5V
FET Feature - Power Dissipation (Max) 2.5W (Tc) Rds On (Max) @ Id, Vgs 30 mOhm @ 3A, 10V Operating Temperature 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	1670pF @ 25V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  30 mOhm @ 3A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  8-SO  Package / Case  8-SOIC (0.154", 3.90mm Width)	Vgs (Max)	±16V
Rds On (Max) @ Id, Vgs30 mOhm @ 3A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	FET Feature	-
Operating Temperature 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	30 mOhm @ 3A, 10V
Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)	Operating Temperature	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?

### **STS6PF30L 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.

## STS6PF30L Payment Methods









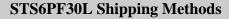
























If you have any question about STS6PF30L, please do not hesitate to contact us!

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