



Image may be representation.
See specifications for product details.



STS4DNFS30L

Manufacturer Part Number	STS4DNFS30L
Manufacturer	STMicroelectronics
Allelco Part Number	32D-ST54DNFS30L
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 30V 4A 8SO
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	STS4DNFS30L.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STS4DNFS30L - STMicroelectronics. New Original in Stock. Download Linear Technology STS4DNFS30L datasheet/specifications on AllelcoElec.com.
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Specifications

STS4DNFS30L Tech Specifications
STS4DNFS30L - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	1V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±16V	Input Capacitance (Ciss) (Max) @ Vds	330 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	9 nC @ 5 V
Supplier Device Package	8-SOIC	FET Type	N-Channel
Series	STripFET™	FET Feature	Schottky Diode (Isolated)
Rds On (Max) @ Id, Vgs	55mOhm @ 2A, 10V	Drive Voltage (Max Rds On, Min Rds On)	5V, 10V
Power Dissipation (Max)	2W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	8-SOIC (0.154", 3.90mm Width)	Current - Continuous Drain (Id) @ 25°C	4A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STS4D

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STS4DNFS30L

Product Attribute				
Part Number	STS4DNFS30L	STS4DPFS30L	STS4NF100	STS4DNFS30
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Vgs (Max)	±16V	±16V	±20V	±20V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Drive Voltage (Max Rds On, Min Rds On)	5V, 10V	4.5V, 10V	10V	5V, 10V
Current - Continuous Drain (Id) @ 25°C	4A (Tc)	5A (Tc)	4A (Tc)	4.5A (Tc)
Power Dissipation (Max)	2W (Tc)	2.5W (Tc)	2.5W (Ta)	2W (Tc)
Vgs(th) (Max) @ Id	1V @ 250µA	2.5V @ 250µA	4V @ 250µA	1V @ 250µA
Drain to Source Voltage (Vdss)	30 V	30 V	100 V	30 V
FET Type	N-Channel	P-Channel	N-Channel	N-Channel
Operating Temperature	-55°C ~ 150°C (TJ)	150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Input Capacitance (Ciss) (Max) @ Vds	330 pF @ 25 V	1350 pF @ 25 V	870 pF @ 25 V	330 pF @ 25 V
FET Feature	Schottky Diode (Isolated)	Schottky Diode (Isolated)	-	Schottky Diode (Isolated)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Supplier Device Package	8-SOIC	8-SOIC	8-SOIC	8-SOIC
Base Product Number	STS4D	STS4D	STS4N	STS4D
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Rds On (Max) @ Id, Vgs	55mOhm @ 2A, 10V	55mOhm @ 2.5A, 10V	70mOhm @ 2A, 10V	55mOhm @ 2A, 10V
Series	STripFET™	STripFET™	STripFET™ II	STripFET™
Gate Charge (Qg) (Max) @ Vgs	9 nC @ 5 V	16 nC @ 5 V	41 nC @ 10 V	4.7 nC @ 5 V

STS4DNFS30L Datasheet PDF

Download STS4DNFS30L pdf datasheets and STMicroelectronics documentation for STS4DNFS30L - STMicroelectronics.

Datasheets



















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PCN Obsolescence/ EOL

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Customers Also Interested in

Recommended Products

 STS4DNF60L STMicroelectronics MOSFET 2N-CH 60V 4A 8-SOIC	 STS4C3F30L VBSEMI	 STS4C3F60L STMicroelectronics MOSFET N/P-CH 60V 4A/3A 8SOIC	 STS4622 SAMHOP	 STS4DPFS30L STMicroelectronics MOSFET P-CH 30V 5A 8SO	 STS462T Cypress Semiconductor (Infineon Technologies)
 STS4DNF60L MOS STMicroelectronics	 STS4DNF60 STMicroelectronics MOSFET 2N-CH 60V 4A 8SOIC	 STS4DPF20L STMicroelectronics MOSFET 2P-CH 20V 4A 8SOIC	 STS5DNF60L STMicroelectronics MOSFET 2N-CH 60V 5A 8-SOIC	 STS4DNF30L STMicroelectronics MOSFET 2N-CH 30V 4A 8SOIC	 STS4DPF30L STMicroelectronics MOSFET 2P-CH 30V 4A 8-SOIC
 STS4NF100 STMicroelectronics MOSFET N-CH 100V 4A 8SO	 STS5DNF20V STMicroelectronics MOSFET 2N-CH 20V 5A 8-SOIC	 STS4DNF-S30L STMicroelectronics	 STS4PF20V STMicroelectronics	 STS4DPF20L MOS STMicroelectronics	 STS4DNFS30 STMicroelectronics MOSFET N-CH 30V 4.5A 8SO

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
- > Use our account for the shipment. Refer to the table below for the approximate charges.
(Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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-  Efficient Supply Management
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Contact us if you have any questions.

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info@allelco.com

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