



STL70N4LLF5

Manufacturer Part Number	STL70N4LLF5
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STL70N4LLF5
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 40V 70A POWERFLAT
Package	8-PowerVDFN
Data sheet	STL70N4LLF5.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STL70N4LLF5 - STMicroelectronics.New Original in Stock. Download Linear Technology STL70N4LLF5 datasheet/specifications on AllelcoElec.com.
Request a quote for STL70N4LLF5, please send us email: info@allelco.com

Specifications

STL70N4LLF5 Tech Specifications
STL70N4LLF5 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	1V @ 250µA	Mounting Type	Surface Mount, Wettable Flank
Vgs (Max)	±22V	Input Capacitance (Ciss) (Max) @ Vds	1800 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	13 nC @ 4.5 V
Supplier Device Package	PowerFlat™ (5x6)	FET Type	N-Channel
Series	Automotive, AEC-Q101, STripFET™ V	FET Feature	-
Rds On (Max) @ Id, Vgs	6.5mOhm @ 9A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	72W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	8-PowerVDFN	Current - Continuous Drain (Id) @ 25°C	70A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STL70

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STL70N4LLF5

Product Attribute	NO PICTURE	life.augmented	life.augmented	life.augmented
Part Number	STL70N4LLF5	STL7N60M2	STL75NH3LL	STL66N3LLH5
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Gate Charge (Qg) (Max) @ Vgs	13 nC @ 4.5 V	8.8 nC @ 10 V	24 nC @ 4.5 V	12 nC @ 4.5 V
Operating Temperature	-55°C ~ 175°C (TJ)	150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)
Drain to Source Voltage (Vdss)	40 V	600 V	30 V	30 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
FET Feature	-	-	-	-
Base Product Number	STL70	STL7	STL75	STL66
Vgs (Max)	±22V	±25V	±16V	±22V
Series	Automotive, AEC-Q101, STripFET™ V	MDmesh™	STripFET™	Automotive, AEC-Q101, STripFET™ V
Vgs(th) (Max) @ Id	1V @ 250µA	4V @ 250µA	1V @ 250µA	3V @ 250µA
Package / Case	8-PowerVDFN	8-PowerVDFN	8-PowerVDFN	8-PowerVDFN
Rds On (Max) @ Id, Vgs	6.5mOhm @ 9A, 10V	1.050hm @ 2A, 10V	5.7mOhm @ 10A, 10V	5.8mOhm @ 10.5A, 10V
Mounting Type	Surface Mount, Wettable Flank	Surface Mount	Surface Mount	Surface Mount, Wettable Flank
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	10V	4.5V, 10V	4.5V, 10V
Current - Continuous Drain (Id) @ 25°C	70A (Tc)	5A (Tc)	75A (Tc)	80A (Tc)
Input Capacitance (Ciss) (Max) @ Vds	1800 pF @ 25 V	271 pF @ 100 V	1810 pF @ 25 V	1500 pF @ 25 V
Supplier Device Package	PowerFlat™ (5x6)	PowerFLAT™ (5x5)	PowerFlat™ (5x6)	PowerFlat™ (5x6)
Power Dissipation (Max)	72W (Tc)	4W (Ta), 67W (Tc)	60W (Tc)	72W (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)

STL70N4LLF5 Datasheet PDF

Download STL70N4LLF5 pdf datasheets and STMicroelectronics documentation for STL70N4LLF5 - STMicroelectronics.

Datasheets

[STL70N4LLF5.pdf](#)









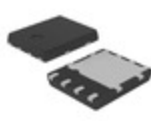









PCN Packaging

[Mult Dev Inner Box Chg 9/Dec/2021.pdf](#)

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

 NO PICTURE	 life.augmented	 NO PICTURE	 life.augmented	 NO PICTURE	 NO PICTURE
STL6921-1A4F SENTELIC	STL7N60M2 STMicroelectronics MOSFET N-CH 600V 5A POWERFLAT	STL6921-1C4F SENTELIC	STL6NK55Z STMicroelectronics	STL7060 SEC	STL6931-1K4L SENTELIC
	 life.augmented		 NO PICTURE	 life.augmented	 life.augmented
STL75NH3LL STMicroelectronics MOSFET N-CH 30V 75A POWERFLAT	STL66N3LLH5 STMicroelectronics MOSFET N-CH 30V 80A POWERFLAT	STL6P3LLH6 STMicroelectronics MOSFET P-CH 30V 6A POWERFLAT	STL6931-1C4FA SENTELIC	STL71L STMicroelectronics	STL75N8LF6 STMicroelectronics MOSFET N-CH 80V 75A POWERFLAT
 life.augmented	 life.augmented	 NO PICTURE	 NO PICTURE		
STL76DN4LF7AG STMicroelectronics MOSFET 2N-CH 40V 40A PWRFLAT	STL75N3LLZH5 STMicroelectronics MOSFET N-CH 30V 75A POWERFLAT	STL6931-1C4F GREEN	STL6921-1B4F SENTELIC	STL73D STMicroelectronics TRANS NPN 400V 1.5A TO92-3	STL7N10F7 STMicroelectronics MOSFET N-CH 100V POWERFLAT

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.

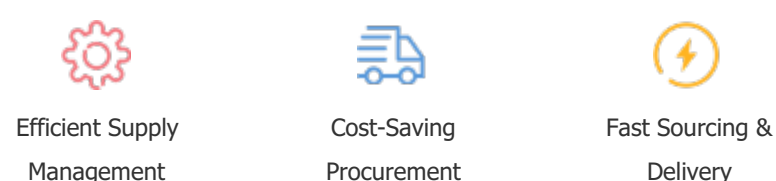
Payment Support

The payment method can be chosen from the methods shown below:

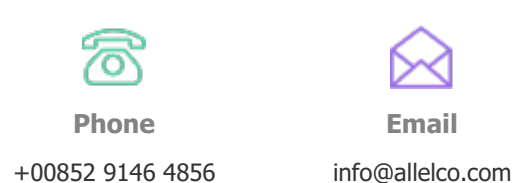
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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