

Image may be representation.
See specifications for product details.

MGSF1N03LT1G

Manufacturer Part Number	MGSF1N03LT1G
Manufacturer	onsemi
Allelco Part Number	32D-MGSF1N03LT1G
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 30V 1.6A SOT23-3
Package	TO-236-3, SC-59, SOT-23-3
Data sheet	MGSF1N03L, MVGSF1N03L.pdf
RoHs Status	ROHS3 Compliant

Get a Quote



MGSF1N03LT1G - onsemi.New Original in Stock. Download Linear Technology MGSF1N03LT1G datasheet/specifications on AllelcoElec.com.
Request a quote for MGSF1N03LT1G, please send us email: info@allelco.com

Specifications

MGSF1N03LT1G Tech Specifications

MGSF1N03LT1G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	2.4V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	140 pF @ 5 V
Technology	MOSFET (Metal Oxide)	FET Type	N-Channel
Supplier Device Package	SOT-23-3 (TO-236)	FET Feature	-
Series	-	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Rds On (Max) @ Id, Vgs	100mOhm @ 1.2A, 10V	Drain to Source Voltage (Vdss)	30 V
Power Dissipation (Max)	420mW (Ta)	Current - Continuous Drain (Id) @ 25°C	1.6A (Ta)
Package / Case	TO-236-3, SC-59, SOT-23-3	Base Product Number	MGSF1
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi MGSF1N03LT1G

Product Attribute				
Part Number	MGSF1N03LT1G	MGSF1N03LT3G	MGSF2N02ELT1G	MGSF1N03LT1
Manufacturer	onsemi	onsemi	onsemi	onsemi
Vgs(th) (Max) @ Id	2.4V @ 250µA	2.4V @ 250µA	1V @ 250µA	2.4V @ 250µA
Base Product Number	MGSF1	MGSF1	MGSF2	MGSF1
FET Feature	-	-	-	-
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Cut Tape (CT)
Input Capacitance (Ciss) (Max) @ Vds	140 pF @ 5 V	140 pF @ 5 V	150 pF @ 5 V	140 pF @ 5 V
Rds On (Max) @ Id, Vgs	100mOhm @ 1.2A, 10V	100mOhm @ 1.2A, 10V	85mOhm @ 3.6A, 4.5V	100mOhm @ 1.2A, 10V
Vgs (Max)	±20V	±20V	±8V	-
Power Dissipation (Max)	420mW (Ta)	420mW (Ta)	1.25W (Ta)	-
Series	-	-	-	-
Drain to Source Voltage (Vdss)	30 V	30 V	20 V	30 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Supplier Device Package	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	2.5V, 4.5V	-
Current - Continuous Drain (Id) @ 25°C	1.6A (Ta)	1.6A (Ta)	2.8A (Ta)	1.6A (Ta)
Package / Case	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3

MGSF1N03LT1G Datasheet PDF

Download MGSF1N03LT1G pdf datasheets and onsemi documentation for MGSF1N03LT1G - onsemi.

Datasheets

[MGSF1N03L, MVGSF1N03L.pdf](#)

Environmental Information

[onsemi REACH.pdf](#)











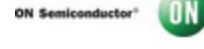







[onsemi RoHS.pdf](#)

PCN Design/Specification

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

 MGSF1P02ELT1 AMI Semiconductor/onsemi	 MGSDRH6D38-1R5MT-LF	 MGSF1N03 SIPUSEMI	 MGSF1N03LT3G onsemi MOSFET N-CH 30V 1.6A SOT23-3	 MGSF2N02 SIPUSEMI	 MGSF2N02ELT1G onsemi MOSFET N-CH 20V 2.8A SOT23-3
 MGSF1N03LT1 onsemi MOSFET N-CH 30V 1.6A SOT-23	 MGSF1P02LT1 onsemi MOSFET P-CH 20V 750MA SOT23-3	 MGSF1N02LT1 onsemi MOSFET N-CH 20V 750MA SOT23-3	 MGSF1P02 SIPUSEMI	 MGSF1N02ELT1G onsemi MOSFET POWER 750MA 20V SOT-23	 MGSF1P02LT1G SIPUSEMI
 MGSF1N02ELT1 AMI Semiconductor/onsemi	 MGSF1P02ELT1G AMI Semiconductor/onsemi	 MGSF1N02L AMI Semiconductor/onsemi	 MGSF2N02ELT1 AMI Semiconductor/onsemi	 MGSF1N02 SIPUSEMI	 MGSF1N02LT1G onsemi MOSFET N-CH 20V 750MA SOT23-3

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 -

 Efficient Supply Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
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Contact us if you have any questions.

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Certifications & Memberships



View More

Contact us

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