

Image may be representation.
See specifications for product details.



SIHG70N60EF-GE3

Manufacturer Part Number	SIHG70N60EF-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SIHG70N60EF-GE3
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 600V 70A TO247AC
Package	TO-247-3
Data sheet	SIHG70N60EF.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

SIHG70N60EF-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SIHG70N60EF-GE3 datasheet/specifications on AllelcoElec.com.
Request a quote for SIHG70N60EF-GE3, please send us email: info@allelco.com

Specifications

SIHG70N60EF-GE3 Tech Specifications
SIHG70N60EF-GE3 - Vishay Siliconix technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Vishay / Siliconix	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	4V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	7500 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	380 nC @ 10 V
Supplier Device Package	TO-247AC	FET Type	N-Channel
Series	-	FET Feature	-
Rds On (Max) @ Id, Vgs	38mOhm @ 35A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	520W (Tc)	Drain to Source Voltage (Vdss)	600 V
Package / Case	TO-247-3	Current - Continuous Drain (Id) @ 25°C	70A (Tc)
Package	Tube	Base Product Number	SIHG70

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SIHG70N60EF-GE3

Product Attribute				
Part Number	SIHG70N60EF-GE3	SIHG47N60EF-GE3	SIHG64N65E-GE3	SIHG80N60E-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Base Product Number	SIHG70	SIHG47	SIHG64	SIHG80
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
FET Feature	-	-	-	-
Power Dissipation (Max)	520W (Tc)	379W (Tc)	520W (Tc)	520W (Tc)
Drain to Source Voltage (Vdss)	600 V	600 V	650 V	600 V
Gate Charge (Qg) (Max) @ Vgs	380 nC @ 10 V	225 nC @ 10 V	369 nC @ 10 V	443 nC @ 10 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Vgs(th) (Max) @ Id	4V @ 250µA	4V @ 250µA	4V @ 250µA	4V @ 250µA
Rds On (Max) @ Id, Vgs	38mOhm @ 35A, 10V	67mOhm @ 24A, 10V	47mOhm @ 32A, 10V	30mOhm @ 40A, 10V
Input Capacitance (Ciss) (Max) @ Vds	7500 pF @ 100 V	4854 pF @ 100 V	7497 pF @ 100 V	6900 pF @ 100 V
Package	Tube	Tube	Tube	Tube
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-247-3
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Supplier Device Package	TO-247AC	TO-247AC	TO-247AC	TO-247AC
Vgs (Max)	±30V	±30V	±30V	±30V
Current - Continuous Drain (Id) @ 25°C	70A (Tc)	47A (Tc)	64A (Tc)	80A (Tc)
Series	-	-	-	E

SIHG70N60EF-GE3 Datasheet PDF

Download SIHG70N60EF-GE3 pdf datasheets and Vishay Siliconix documentation for SIHG70N60EF-GE3 - Vishay Siliconix.

Datasheets

[SIHG70N60EF.pdf](#)

PCN Assembly/Origin

[Mosfet Mfg Add 28/Sep/2020.pdf](#)

PCN Packaging



Customers Also Interested in

Recommended Products

**SIHH0605-R10M**

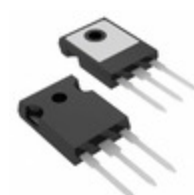
MAG

**SIHH11N65E**

Electro-Films (EFI) / Vishay

**SiHG73N60E**

Electro-Films (EFI) / Vishay

**SIHG47N60EF-GE3**Vishay Siliconix
MOSFET N-CH 600V 47A TO247AC**SIHG64N65E-GE3**Vishay Siliconix
MOSFET N-CH 650V 64A TO247AC**SIHG47N65E-GE3 MOS**

Electro-Films (EFI) / Vishay

**SIHH100N60E**

Electro-Films (EFI) / Vishay

**SIHG80N60E-GE3**Vishay Siliconix
MOSFET N-CH 600V 80A TO247AC**SIHG47N65E-GE3**Vishay Siliconix
MOSFET N-CH 650V 47A TO247AC**SIHG73N60E-GE3 MOS**

Electro-Films (EFI) / Vishay

**SIHG47N60S-E3**

Electro-Films (EFI) / Vishay

**SIHH11N60E**

Electro-Films (EFI) / Vishay

**SIHG47N60S**

Electro-Films (EFI) / Vishay

**SIHG70N60EF-GE3 MOS**

Electro-Films (EFI) / Vishay

**SIHG47N60SPBF
G47N60S**

IR

**SIHG73N60E-GE3**Vishay Siliconix
MOSFET N-CH 600V 73A TO247AC**SIHH1075-R22L-R29**

MAG

**SIHG47N60EF**

Electro-Films (EFI) / Vishay

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

Contact us if you have any questions.



Phone

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Email

info@allelco.com

Certifications & Memberships



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