



SUM60020E-GE3

Manufacturer Part Number	SUM60020E-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SUM60020E-GE3
ECAD Model	 PCB Footprint and Symbol
Parts Description	MOSFET N-CH 80V 150A TO263
Package	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Data sheet	SUM60020E.pdf
RoHs Status	 ROHS3 Compliant


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SUM60020E-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SUM60020E-GE3 datasheet/specifications on AllelcoElec.com.

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Specifications





SUM60020E-GE3 Tech Specifications

SUM60020E-GE3 - Vishay Siliconix technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Vishay / Siliconix	Operating Temperature	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	4V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	10680 pF @ 40 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	227 nC @ 10 V
Supplier Device Package	TO-263 (D ² Pak)	FET Type	N-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	2.1mOhm @ 30A, 10V	Drive Voltage (Max Rds On, Min Rds On)	7.5V, 10V
Power Dissipation (Max)	375W (Tc)	Drain to Source Voltage (Vdss)	80 V
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	150A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SUM60020

Parts with Similar Specifications


The three parts on the right have similar specifications to Vishay Siliconix SUM60020E-GE3

Product Attribute	 NO PICTURE			
Part Number	SUM60020E-GE3	SUM50P10-42-E3	SUM60030E-GE3	SUM52N20-39P-E3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Gate Charge (Qg) (Max) @ Vgs	227 nC @ 10 V	160 nC @ 10 V	141 nC @ 10 V	185 nC @ 15 V
Input Capacitance (Ciss) (Max) @ Vds	10680 pF @ 40 V	4600 pF @ 50 V	7910 pF @ 40 V	4220 pF @ 25 V
Series	TrenchFET®	TrenchFET®	TrenchFET®	TrenchFET®
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Current - Continuous Drain (Id) @ 25°C	150A (Tc)	36A (Tc)	120A (Tc)	52A (Tc)
Base Product Number	SUM60020	SUM50	SUM60030	SUM52
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Drive Voltage (Max Rds On, Min Rds On)	7.5V, 10V	4.5V, 10V	7.5V, 10V	10V, 15V
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Power Dissipation (Max)	375W (Tc)	18.8W (Ta), 125W (Tc)	375W (Tc)	3.12W (Ta), 250W (Tc)
Vgs (Max)	±20V	±20V	±20V	±25V
Vgs(th) (Max) @ Id	4V @ 250µA	3V @ 250µA	4V @ 250µA	4.5V @ 250µA
FET Feature	-	-	-	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Drain to Source Voltage (Vdss)	80 V	100 V	80 V	200 V
Rds On (Max) @ Id, Vgs	2.1mOhm @ 30A, 10V	4.2mOhm @ 14A, 10V	3.2mOhm @ 30A, 10V	38mOhm @ 20A, 15V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Supplier Device Package	TO-263 (D ² Pak)	TO-263 (D ² Pak)	TO-263 (D ² Pak)	TO-263 (D ² Pak)

SUM60020E-GE3 Datasheet PDF

Download SUM60020E-GE3 pdf datasheets and Vishay Siliconix documentation for SUM60020E-GE3 - Vishay Siliconix.

Datasheets

 SUM60020E.pdf

Customers Also Interested in

Recommended Products



SUM60N04-05L MOS
Electro-Films (EFI) / Vishay



SUM50P10-42-E3
Vishay Siliconix
MOSFET N-CH 100V 36A TO263



SUM60N04-05C-E3
Electro-Films (EFI) / Vishay



SUM60030E-GE3
Vishay Siliconix
MOSFET N-CH 80V 120A TO263



SUM60N02-3M9P-E3 MOS
Electro-Films (EFI) / Vishay



SUM60N04-06T MOS
Electro-Films (EFI) / Vishay



SUM50N06-16L
VBSEMI



SUM6082
SUM



SUM55P06-19L-E3 MOS
Electro-Films (EFI) / Vishay



SUM55N03-16P-E3
Electro-Films (EFI) / Vishay



SUM47N10-24L
Electro-Films (EFI) / Vishay



SUM52N20-39P-E3
Vishay Siliconix
MOSFET N-CH 200V 52A TO263



SUM6086
SUM



SUM60N04-06T
Electro-Films (EFI) / Vishay



SUM47N10-24L-GE3
VBSEMI



SUM55P06-19L-E3
Vishay Siliconix
MOSFET P-CH 60V 55A TO263



SUM55N03-16P
Electro-Films (EFI) / Vishay



SUM55P06-19L
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.

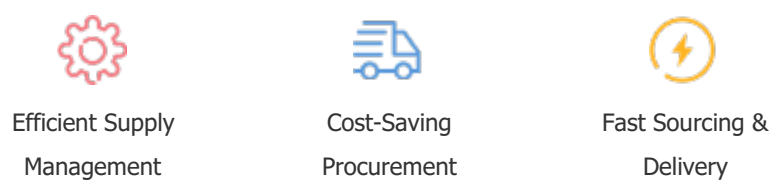
Contact us if you have any questions.

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 -



Contact us if you have any questions.



Certifications & Memberships



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