





## SQD50P08-28\_GE3

Manufacturer Part Number	<b>SQD50P08-28_GE3</b>
Manufacturer	<b>Vishay / Siliconix</b>
Allelco Part Number	32D-SQD50P08-28_GE3
ECAD Model	 PCB Footprint and Symbol
Parts Description	MOSFET P-CH 80V 48A TO252AA
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	<b>SQD50P08-28.pdf</b>
RoHs Status	 ROHS3 Compliant



**Get a Quote**

SQD50P08-28\_GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SQD50P08-28\_GE3 datasheet/specifications on AllelcoElec.com.

Request a quote for SQD50P08-28\_GE3, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications





SQD50P08-28\_GE3 Tech Specifications

SQD50P08-28\_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	3.5V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	6035 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	145 nC @ 10 V
Supplier Device Package	TO-252AA	FET Type	P-Channel
Series	Automotive, AEC-Q101, TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	28mOhm @ 12.5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	136W (Tc)	Drain to Source Voltage (Vdss)	80 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	48A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SQD50

### Parts with Similar Specifications


The three parts on the right have similar specifications to Vishay Siliconix SQD50P08-28\_GE3

Product Attribute	 NO PICTURE			
Part Number	SQD50P08-28_GE3	SQD50P06-15L_GE3	SQD70140EL_GE3	SQD50P08-25L_GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Rds On (Max) @ Id, Vgs	28mOhm @ 12.5A, 10V	15.5mOhm @ 17A, 10V	15mOhm @ 30A, 10V	25mOhm @ 10.5A, 10V
FET Type	P-Channel	P-Channel	N-Channel	P-Channel
Input Capacitance (Ciss) (Max) @ Vds	6035 pF @ 25 V	5910 pF @ 25 V	2100 pF @ 25 V	5350 pF @ 25 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Feature	-	-	-	-
Gate Charge (Qg) (Max) @ Vgs	145 nC @ 10 V	150 nC @ 10 V	40 nC @ 10 V	137 nC @ 10 V
Drain to Source Voltage (Vdss)	80 V	60 V	100 V	80 V
Series	Automotive, AEC-Q101, TrenchFET®	TrenchFET®	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®
Power Dissipation (Max)	136W (Tc)	136W (Tc)	71W (Tc)	136W (Tc)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	TO-252AA	TO-252AA	TO-252AA	TO-252AA
Base Product Number	SQD50	SQD50	SQD70140	SQD50
Vgs (Max)	±20V	±20V	±20V	±20V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Drive Voltage (Max Rds On, Min Rds On)	10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Current - Continuous Drain (Id) @ 25°C	48A (Tc)	50A (Tc)	30A (Tc)	50A (Tc)
Vgs(th) (Max) @ Id	3.5V @ 250µA	2.5V @ 250µA	2.5V @ 250µA	2.5V @ 250µA
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)

### SQD50P08-28\_GE3 Datasheet PDF

Download SQD50P08-28\_GE3 pdf datasheets and Vishay Siliconix documentation for SQD50P08-28\_GE3 - Vishay Siliconix.

#### Datasheets

 SQD50P08-28.pdf
---

### Customers Also Interested in

#### Recommended Products



**SQD50P06-15L\_GE3**  
Vishay Siliconix  
MOSFET P-CH 60V 50A TO252



**SQD50P06-15L-E3**  
Electro-Films (EFI) / Vishay



**SQD70CA90**  
SANREX  
IGBT Module



**SQD50P08-25L-GE3**  
VISHAY



**SQD50P08-28**  
Electro-Films (EFI) / Vishay



**SQD65BB75**  
SANREX  
IGBT Module



**SQD70BA90**  
SANREX  
IGBT Module



**SQD50P08-25L**  
Electro-Films (EFI) / Vishay



**SQD70AA90**  
SANREX  
IGBT Module



**SQD50P06-15L-T4GE3**  
Electro-Films (EFI) / Vishay



**SQD70140EL\_GE3**  
Vishay Siliconix  
MOSFET N-CH 100V 30A TO252AA



**SQD50P06-15L-GE3 MOS**  
Electro-Films (EFI) / Vishay



**SQD65BA78**  
SANREX  
IGBT Module



**SQD50P08-25L\_GE3**  
Vishay Siliconix  
MOSFET P-CH 80V 50A TO252AA



**SQD50P06-15L**  
Electro-Films (EFI) / Vishay



**SQD65B90**  
SANREX  
IGBT Module



**SQD50P06-15L-GE3**  
Electro-Films (EFI) / Vishay



**SQD70BB90**  
SANREX  
IGBT Module

## 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  
+00852 9146 4856  
 Email  
info@allelco.com

## Certifications & Memberships



[View More](#)