





## SQJ460AEP-T1\_GE3

Manufacturer Part Number	<b>SQJ460AEP-T1_GE3</b>
Manufacturer	<b>Vishay / Siliconix</b>
Allelco Part Number	32D-SQJ460AEP-T1_GE3
ECAD Model	 Request Free CAD Models
Parts Description	MOSFET N-CH 60V 32A PPAK SO-8
Package	PowerPAK® SO-8
Data sheet	<b>SQJ460EP-T1-GE3.pdf</b>
RoHs Status	 ROHS3 Compliant



**Get a Quote**

SQJ460AEP-T1\_GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SQJ460AEP-T1\_GE3 datasheet/specifications on AllelcoElec.com.

Request a quote for SQJ460AEP-T1\_GE3, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications





SQJ460AEP-T1\_GE3 Tech Specifications

SQJ460AEP-T1\_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	2.5V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	4795 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	106 nC @ 10 V
Supplier Device Package	PowerPAK® SO-8	FET Type	N-Channel
Series	Automotive, AEC-Q101	FET Feature	-
Rds On (Max) @ Id, Vgs	9.6mOhm @ 18A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	83W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	PowerPAK® SO-8	Current - Continuous Drain (Id) @ 25°C	32A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SQJ460

### Parts with Similar Specifications


The three parts on the right have similar specifications to Vishay Siliconix SQJ460AEP-T1\_GE3

Product Attribute	 NO PICTURE			
Part Number	SQJ460AEP-T1_GE3	<a href="#">SQJ463EP-T1_GE3</a>	<a href="#">SQJ464EP-T1_GE3</a>	<a href="#">SQJ465EP-T1_GE3</a>
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Gate Charge (Qg) (Max) @ Vgs	106 nC @ 10 V	150 nC @ 10 V	44 nC @ 10 V	40 nC @ 10 V
FET Type	N-Channel	P-Channel	N-Channel	P-Channel
FET Feature	-	-	-	-
Current - Continuous Drain (Id) @ 25°C	32A (Tc)	30A (Tc)	32A (Tc)	8A (Tc)
Rds On (Max) @ Id, Vgs	9.6mOhm @ 18A, 10V	10mOhm @ 18A, 10V	17mOhm @ 7.1A, 10V	85mOhm @ 3.5A, 10V, 1.17mOhm @ 20A, 10V
Input Capacitance (Ciss) (Max) @ Vds	4795 pF @ 25 V	5875 pF @ 20 V	2086 pF @ 30 V	1140 pF @ 30 V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TA)
Base Product Number	SQJ460	SQJ463	SQJ464	SQJ465
Vgs (Max)	±20V	±20V	±20V	±20V
Vgs(th) (Max) @ Id	2.5V @ 250µA	2.5V @ 250µA	2.5V @ 250µA	2.5V @ 250µA
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Supplier Device Package	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Drain to Source Voltage (Vdss)	60 V	40 V	60 V	60 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Series	Automotive, AEC-Q101	Automotive, AEC-Q101, TrenchFET®	-	Automotive, AEC-Q101, TrenchFET®
Power Dissipation (Max)	83W (Tc)	83W (Tc)	45W (Tc)	45W (Tc)

### SQJ460AEP-T1\_GE3 Datasheet PDF

Download SQJ460AEP-T1\_GE3 pdf datasheets and Vishay Siliconix documentation for SQJ460AEP-T1\_GE3 - Vishay Siliconix.

#### Datasheets



SQJ460EP-T1-GE3.pdf

### Customers Also Interested in

#### Recommended Products



**SQJ460AEP-T1-GE3**  
Electro-Films (EFI) / Vishay



**SQJ463EP-T1\_GE3**  
Vishay Siliconix  
MOSFET P-CH 40V 30A PPAK SO-8



**SQJ431EP-T1-GE3**  
Electro-Films (EFI) / Vishay



**SQJ464EP-T1-GE3**  
Electro-Films (EFI) / Vishay



**SQJ464EP-T1\_GE3**  
Vishay Siliconix  
MOSFET N-CH 60V 32A PPAK SO-8



**SQJ465EP-T1\_GE3**  
Vishay Siliconix  
MOSFET P-CH 60V 8A PPAK SO-8



**SQJ431EPT1-GE3**  
VISHAY



**SQJ463EP-T1-GE3**  
Electro-Films (EFI) / Vishay



**SQJ461EP-T1-GE3**  
Electro-Films (EFI) / Vishay



**SQJ443EP-T1-GE3**  
Electro-Films (EFI) / Vishay



**SQJ459EP-T1\_GE3**  
Vishay Siliconix  
MOSFET P-CH 60V 52A PPAK SO-8



**SQJ460AEP-T2**  
Electro-Films (EFI) / Vishay



**SQJ431AEP-T1-GE3**  
Electro-Films (EFI) / Vishay



**SQJ459EP-T2\_BE3**  
Vishay Siliconix  
P-CHANNEL 60-V (D-S) 175C  
MOSFET



**SQJ443EP-T1-GE3 MOS**  
Electro-Films (EFI) / Vishay



**SQJ456EP-T1-GE3**  
Electro-Films (EFI) / Vishay



**SQJ457EP-T1\_GE3**  
Vishay Siliconix  
MOSFET P-CH 60V 36A PPAK SO-8



**SQJ461EP-T1\_GE3**  
Vishay Siliconix  
MOSFET P-CH 60V 30A PPAK SO-8

## 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](#)