




## SQJ488EP-T1\_BE3

Manufacturer Part Number	<b>SQJ488EP-T1_BE3</b>
Manufacturer	<b>Vishay / Siliconix</b>
Allelco Part Number	32D-SQJ488EP-T1_BE3
ECAD Model	 Request Free CAD Models
Parts Description	MOSFET N-CH 100V 42A PPAK SO-8
Package	PowerPAK® SO-8
Data sheet	<b><a href="#">Automotive N-Channel 100 V (D-S) 175 °C MOSFE.pdf</a></b>

**VISHAY.**

**Get a Quote**

SQJ488EP-T1\_BE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SQJ488EP-T1\_BE3 datasheet/specifications on AllelcoElec.com.  
Request a quote for SQJ488EP-T1\_BE3, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications





SQJ488EP-T1\_BE3 Tech Specifications

SQJ488EP-T1\_BE3 - 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	978 pF @ 50 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	27 nC @ 10 V
Supplier Device Package	PowerPAK® SO-8	FET Type	N-Channel
Series	Automotive, AEC-Q101, TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	21mOhm @ 7.1A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	83W (Tc)	Drain to Source Voltage (Vdss)	100 V
Package / Case	PowerPAK® SO-8	Current - Continuous Drain (Id) @ 25°C	42A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SQJ488

### Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SQJ488EP-T1\_BE3

Product Attribute	 NO PICTURE			
Part Number	SQJ488EP-T1_BE3	<a href="#">SQJ486EP-T1_GE3</a>	<a href="#">SQJ481EP-T1_GE3</a>	<a href="#">SQJ479EP-T1_BE3</a>
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Package / Case	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Vgs(th) (Max) @ Id	2.5V @ 250µA	2.1V @ 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)
Series	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Supplier Device Package	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Gate Charge (Qg) (Max) @ Vgs	27 nC @ 10 V	34 nC @ 10 V	50 nC @ 10 V	150 nC @ 10 V
Drain to Source Voltage (Vdss)	100 V	75 V	80 V	80 V
Base Product Number	SQJ488	SQJ486	SQJ481	-
Current - Continuous Drain (Id) @ 25°C	42A (Tc)	30A (Tc)	16A (Tc)	32A (Tc)
Vgs (Max)	±20V	±20V	±20V	±20V
FET Feature	-	-	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Rds On (Max) @ Id, Vgs	21mOhm @ 7.1A, 10V	26mOhm @ 51A, 10V	80mOhm @ 10A, 10V	33mOhm @ 10A, 10V
Input Capacitance (Ciss) (Max) @ Vds	978 pF @ 50 V	1386 pF @ 15 V	2000 pF @ 25 V	4500 pF @ 25 V
FET Type	N-Channel	N-Channel	P-Channel	P-Channel
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Power Dissipation (Max)	83W (Tc)	56W (Tc)	45W (Tc)	68W (Tc)

### SQJ488EP-T1\_BE3 Datasheet PDF

Download SQJ488EP-T1\_BE3 pdf datasheets and Vishay Siliconix documentation for SQJ488EP-T1\_BE3 - Vishay Siliconix.

#### Datasheets



Automotive N-Channel 100 V (D-S) 175 °C MOSFE.pdf

### Customers Also Interested in

#### Recommended Products



**SQJ500AEP-T1-GE3**

Electro-Films (EFI) / Vishay



**SQJ486EP-T1\_GE3**

Vishay Siliconix  
MOSFET N-CH 75V 30A PPAK SO-8



**SQJ481EP-T1\_GE3**

Vishay Siliconix  
MOSFET P-CH 80V 16A PPAK SO-8



**SQJ560EP-T1\_GE3**

Vishay Siliconix  
MOSFET DUAL N P CH 60V PPAK SO-8



**SQJ500AEP-T1\_GE3**

Vishay Siliconix  
MOSFET N/P CHAN 40V SO8L DUAL



**SQJ840DP-T1-GE3**

Electro-Films (EFI) / Vishay



**SQJ476EP-T1-GE3**

VISHA



**SQJ570EP-T1\_GE3**

Vishay Siliconix  
MOSFET N/P-CH 100V POWERPAK SO8



**SQJ479EP-T1\_BE3**

Vishay Siliconix  
P-CHANNEL 80-V (D-S) 175C MOSFET



**SQJ476EP-T1\_GE3**

Vishay Siliconix  
MOSFET N-CH 100V 23A PPAK SO-8



**SQJ570EP-T1-GE3**

Electro-Films (EFI) / Vishay



**SQJ488EP-T1-BE3**

Electro-Films (EFI) / Vishay



**SQJ488EP-T1-GE3**

Electro-Films (EFI) / Vishay



**SQJ469EP-T1\_GE3**

Vishay Siliconix  
MOSFET P-CH 80V 32A PPAK SO-8



**SQJ479EP-T1\_GE3**

Vishay Siliconix  
MOSFET P-CH 80V 32A PPAK SO-8



**SQJ488EP-T2\_GE3**

Vishay Siliconix  
N-CHANNEL 100-V (D-S) 175C MOSFE



**SQJ488EP-T1\_GE3**

Vishay Siliconix  
MOSFET N-CH 100V 42A PPAK SO-8



**SQJ500EP-T1-GE3**

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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