



SQJ488EP-T1_GE3

Manufacturer Part Number	SQJ488EP-T1_GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SQJ488EP-T1_GE3
ECAD Model	 PCB Footprint and Symbol
Parts Description	MOSFET N-CH 100V 42A PPAK SO-8
Package	PowerPAK® SO-8
Data sheet	SQJ488EP.pdf
RoHs Status	 ROHS3 Compliant


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SQJ488EP-T1_GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SQJ488EP-T1_GE3 datasheet/specifications on AllelcoElec.com.

Request a quote for SQJ488EP-T1_GE3, please send us email: info@allelco.com

Specifications





SQJ488EP-T1_GE3 Tech Specifications

SQJ488EP-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	979 pF @ 25 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 @ 7.4A, 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_GE3

Product Attribute	 NO PICTURE			
Part Number	SQJ488EP-T1_GE3	SQJ481EP-T1_GE3	SQJ476EP-T1_GE3	SQJ488EP-T2_GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Current - Continuous Drain (Id) @ 25°C	42A (Tc)	16A (Tc)	23A (Tc)	42A (Tc)
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
FET Type	N-Channel	P-Channel	N-Channel	N-Channel
FET Feature	-	-	-	-
Vgs(th) (Max) @ Id	2.5V @ 250µA	2.5V @ 250µA	2.5V @ 250µA	2.5V @ 250µA
Series	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®
Package / Case	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Input Capacitance (Ciss) (Max) @ Vds	979 pF @ 25 V	2000 pF @ 25 V	700 pF @ 25 V	978 pF @ 50 V
Power Dissipation (Max)	83W (Tc)	45W (Tc)	45W (Tc)	83W (Tc)
Drain to Source Voltage (Vdss)	100 V	80 V	100 V	100 V
Supplier Device Package	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Vgs (Max)	±20V	±20V	±20V	±20V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Gate Charge (Qg) (Max) @ Vgs	27 nC @ 10 V	50 nC @ 10 V	20 nC @ 10 V	27 nC @ 10 V
Rds On (Max) @ Id, Vgs	21mOhm @ 7.4A, 10V	80mOhm @ 10A, 10V	38mOhm @ 10A, 10V	21mOhm @ 7.1A, 10V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Base Product Number	SQJ488	SQJ481	SQJ476	-

SQJ488EP-T1_GE3 Datasheet PDF











Download SQJ488EP-T1_GE3 pdf datasheets and Vishay Siliconix documentation for SQJ488EP-T1_GE3 - Vishay Siliconix.

Datasheets

 SQJ488EP.pdf
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Customers Also Interested in

Recommended Products

 SQJ481EP-T1_GE3 Vishay Siliconix MOSFET P-CH 80V 16A PPAK SO-8	 SQJ488EP-T1-BE3 Electro-Films (EFI) / Vishay	 SQJ570EP-T1_GE3 Vishay Siliconix MOSFET N/P-CH 100V POWERPAK SO8	 SQJ476EP-T1_GE3 Vishay Siliconix MOSFET N-CH 100V 23A PPAK SO-8	 SQJ500AEP-T1-GE3 Electro-Films (EFI) / Vishay	 SQJ488EP-T2_GE3 Vishay Siliconix N-CHANNEL 100-V (D-S) 175C MOSFE
 SQJ840DP-T1-GE3 Electro-Films (EFI) / Vishay	 SQJ500EP-T1-GE3 Electro-Films (EFI) / Vishay	 SQJ840EP-T1-GE3 Electro-Films (EFI) / Vishay	 SQJ486EP-T1_GE3 Vishay Siliconix MOSFET N-CH 75V 30A PPAK SO-8	 SQJ488EP-T1-GE3 Electro-Films (EFI) / Vishay	 SQJ500AEP-T1_GE3 Vishay Siliconix MOSFET N/P CHAN 40V SO8L DUAL
 SQJ560EP-T1_GE3 Vishay Siliconix MOSFET DUAL N P CH 60V PPAK SO-8	 SQJ488EP-T1_BE3 Vishay Siliconix MOSFET N-CH 100V 42A PPAK SO-8	 SQJ570EP-T1-GE3 Electro-Films (EFI) / Vishay	 SQJ479EP-T1_BE3 Vishay Siliconix P-CHANNEL 80-V (D-S) 175C MOSFET	 SQJ479EP-T1_GE3 Vishay Siliconix MOSFET P-CH 80V 32A PPAK SO-8	 SQJ476EP-T1-GE3 VISHA

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.

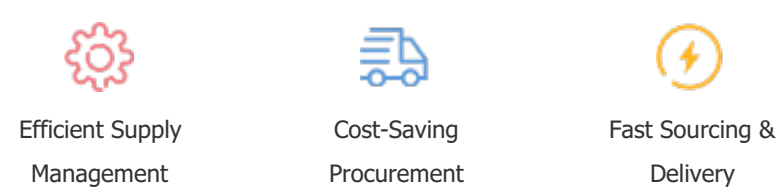
Contact us if you have any questions.

Payment Support

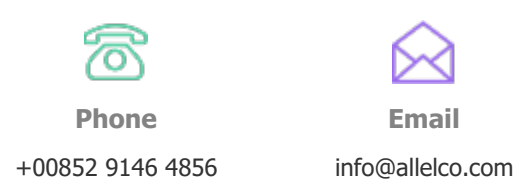
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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