



SQJA72EP-T1_GE3

Manufacturer Part Number	SQJA72EP-T1_GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SQJA72EP-T1_GE3
ECAD Model	 PCB Footprint and Symbol
Parts Description	MOSFET N-CH 100V 37A PPAK SO-8
Package	PowerPAK® SO-8
Data sheet	SQJA72EP.pdf
RoHs Status	 ROHS3 Compliant


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SQJA72EP-T1_GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SQJA72EP-T1_GE3 datasheet/specifications on AllelcoElec.com.

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Specifications





SQJA72EP-T1_GE3 Tech Specifications

SQJA72EP-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	1390 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	30 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	19mOhm @ 10A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	55W (Tc)	Drain to Source Voltage (Vdss)	100 V
Package / Case	PowerPAK® SO-8	Current - Continuous Drain (Id) @ 25°C	37A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SQJA72

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SQJA72EP-T1_GE3

Product Attribute	 NO PICTURE			
Part Number	SQJA72EP-T1_GE3	SQJA38EP-T1_GE3	SQJA90EP-T1_GE3	SQJA36EP-T1_GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Series	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®
Gate Charge (Qg) (Max) @ Vgs	30 nC @ 10 V	75 nC @ 10 V	55 nC @ 10 V	107 nC @ 10 V
Input Capacitance (Ciss) (Max) @ Vds	1390 pF @ 25 V	3900 pF @ 25 V	3500 pF @ 25 V	6636 pF @ 25 V
FET Feature	-	-	-	-
Vgs(th) (Max) @ Id	2.5V @ 250µA	2.4V @ 250µA	3.5V @ 250µA	3.5V @ 250µA
Rds On (Max) @ Id, Vgs	19mOhm @ 10A, 10V	3.9mOhm @ 10A, 10V	7.6mOhm @ 10A, 10V	1.24mOhm @ 15A, 10V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Drain to Source Voltage (Vdss)	100 V	40 V	80 V	40 V
Package / Case	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Supplier Device Package	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Current - Continuous Drain (Id) @ 25°C	37A (Tc)	60A (Tc)	60A (Tc)	350A (Tc)
Base Product Number	SQJA72	SQJA38	SQJA90	SQJA36
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	10V	10V
Power Dissipation (Max)	55W (Tc)	68W (Tc)	68W (Tc)	500W (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Vgs (Max)	±20V	±20V	±20V	±20V

SQJA72EP-T1_GE3 Datasheet PDF

Download SQJA72EP-T1_GE3 pdf datasheets and Vishay Siliconix documentation for SQJA72EP-T1_GE3 - Vishay Siliconix.

Datasheets

 SQJA72EP.pdf

Customers Also Interested in

Recommended Products



SQJA38EP-T1_GE3
Vishay Siliconix
MOSFET N-CH 40V 60A PPAK SO-8



SQJ992EP-T1-GE3
Electro-Films (EFI) / Vishay



SQJB02ELP-T1_GE3
Vishay Siliconix
AUTOMOTIVE DUAL N-CHANNEL 40V (



SQJ992EP-T1_GE3
Vishay Siliconix
MOSFET 2N-CH 60V 15A POWERPAKS08



SQJA60EP-T1-BE3
Electro-Films (EFI) / Vishay



SQJB40EP-T1_GE3
Vishay Siliconix
MOSFET 2 N-CH 40V POWERPAK SO8



SQJA90EP-T1_GE3
Vishay Siliconix
MOSFET N-CH 80V 60A PPAK SO-8



SQJA36EP-T1_GE3
Vishay Siliconix
MOSFET N-CH 40V 350A PPAK SO-8



SQJB04ELP-T1_GE3
Vishay Siliconix
DUAL N-CHANNEL 40-V (D-S) 175C M



SQJA82EP-T1_GE3
Vishay Siliconix
MOSFET N-CH 80V 60A PPAK SO-8



SQJ992EP-T2_GE3
Vishay Siliconix
DUAL N-CHANNEL 60-V (D-S) 175C M



SQJB00EP-T1_BE3
Vishay Siliconix
DUAL N-CHANNEL 60-V (D-S) 175C M



SQJA76EP-T1_GE3
Vishay Siliconix
MOSFET N-CH 40V 75A PPAK SO-8



SQJA20EP-T1_GE3
Vishay Siliconix
MOSFET N-CH 200V 22.5A PPAK SO-8



SQJA62EP-T1_GE3
Vishay Siliconix
MOSFET N-CH 60V 60A PPAK SO-8



SQJA96EP-T1_GE3
Vishay Siliconix
MOSFET N-CH 80V 30A PPAK SO-8



SQJA38EP-T1-GE3
Electro-Films (EFI) / Vishay



SQJA68EP-T1_GE3
Vishay Siliconix
MOSFET N-CH 100V 14A PPAK SO-8L

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

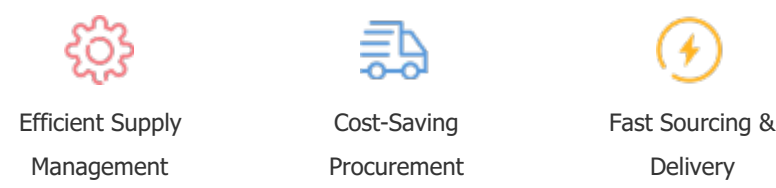
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

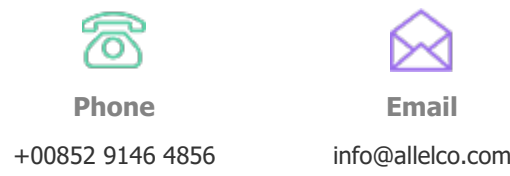
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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