





SQJ138EP-T1_GE3

Manufacturer Part Number	SQJ138EP-T1_GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SQJ138EP-T1_GE3
ECAD Model	 Request Free CAD Models
Parts Description	MOSFET N-CH 40V 330A PPAK SO-8
Package	PowerPAK® SO-8
Data sheet	SQJ138EP-T1_GE3.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

SQJ138EP-T1_GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SQJ138EP-T1_GE3 datasheet/specifications on AllelcoElec.com.

Request a quote for SQJ138EP-T1_GE3, please send us email: info@allelco.com

Specifications





SQJ138EP-T1_GE3 Tech Specifications

SQJ138EP-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	3.5V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	4715 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	81 nC @ 10 V
Supplier Device Package	PowerPAK® SO-8	FET Type	N-Channel
Series	Automotive, AEC-Q101, TrenchFET® Gen IV	FET Feature	-
Rds On (Max) @ Id, Vgs	1.8mOhm @ 15A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	312W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	PowerPAK® SO-8	Current - Continuous Drain (Id) @ 25°C	330A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SQJ138

Parts with Similar Specifications


The three parts on the right have similar specifications to Vishay Siliconix SQJ138EP-T1_GE3

Product Attribute	 NO PICTURE			
Part Number	SQJ138EP-T1_GE3	SQJ174EP-T1_GE3	SQJ409EP-T1_GE3	SQJ147ELP-T1_GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Input Capacitance (Ciss) (Max) @ Vds	4715 pF @ 25 V	6111 pF @ 25 V	11000 pF @ 25 V	5500 pF @ 25 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Drain to Source Voltage (Vdss)	40 V	60 V	40 V	40 V
Vgs(th) (Max) @ Id	3.5V @ 250µA	3.5V @ 250µA	2.5V @ 250µA	2.5V @ 250µA
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
Base Product Number	SQJ138	-	SQJ409	SQJ147
Series	Automotive, AEC-Q101, TrenchFET® Gen IV	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®
Gate Charge (Qg) (Max) @ Vgs	81 nC @ 10 V	81 nC @ 10 V	260 nC @ 10 V	120 nC @ 10 V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	4.5V, 10V	-
Package / Case	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Power Dissipation (Max)	312W (Tc)	500W (Tc)	68W (Tc)	183W (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Current - Continuous Drain (Id) @ 25°C	330A (Tc)	293A (Tc)	60A (Tc)	90A (Tc)
FET Feature	-	-	-	-
FET Type	N-Channel	N-Channel	P-Channel	P-Channel
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Vgs (Max)	±20V	±20V	±20V	±20V
Rds On (Max) @ Id, Vgs	1.8mOhm @ 15A, 10V	2.9mOhm @ 15A, 10V	7mOhm @ 10A, 10V	12.5mOhm @ 10A, 10V

SQJ138EP-T1_GE3 Datasheet PDF

Download SQJ138EP-T1_GE3 pdf datasheets and Vishay Siliconix documentation for SQJ138EP-T1_GE3 - Vishay Siliconix.

PCN Assembly/Origin

 Mult Dev 26/Jan/2023.pdf
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Customers Also Interested in

Recommended Products



SQJ174EP-T1_GE3
Vishay Siliconix
AUTOMOTIVE N-CHANNEL 60 V (D-5)



SQJ403EEP-T1-GE3
Electro-Films (EFI) / Vishay



SQJ403BEEP-T1-GE3
Electro-Films (EFI) / Vishay



SQJ409EP-T1_GE3
Vishay Siliconix
MOSFET P-CH 40V 60A PPAK SO-8



SQJ410EP-T1-GE3



SQJ402EP-T1-GE3
Electro-Films (EFI) / Vishay



SQJ147ELP-T1_GE3
Vishay Siliconix
MOSFET P-CH 40V 90A PPAK SO-8



SQJ410EP-T1_GE3
Vishay Siliconix
MOSFET N-CH 30V 32A PPAK SO-8



SQJ401EP-T1_GE3
Vishay Siliconix
MOSFET P-CH 12V 32A PPAK SO-8



SQJ403EP-T1-GE3
Electro-Films (EFI) / Vishay



SQJ152EP-T1_GE3
Vishay Siliconix
AUTOMOTIVE N-CHANNEL 40 V (D-5)



SQJ402EP-T1_GE3
Vishay Siliconix
MOSFET N-CH 100V 32A PPAK SO-8



SQJ158EP-T1_GE3
Vishay Siliconix
MOSFET N-CH 60V 23A PPAK SO-8



SQJ142EP-T1_GE3
Vishay Siliconix
MOSFET N-CH 40V 167A PPAK SO-8



SQJ401EP-T1-GE3
Electro-Films (EFI) / Vishay



SQJ414EP-T1-GE3
Electro-Films (EFI) / Vishay



SQJ415EP-T1_GE3
Vishay Siliconix
MOSFET P-CH 40V 30A PPAK SO-8



SQJ414EP-T1_GE3
Vishay Siliconix
MOSFET N-CH 30V 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

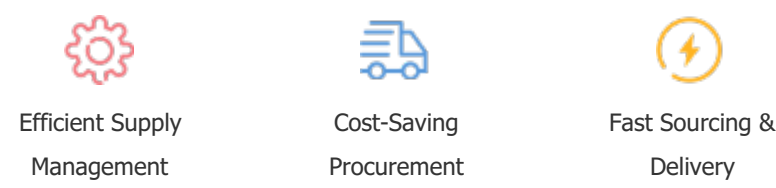
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

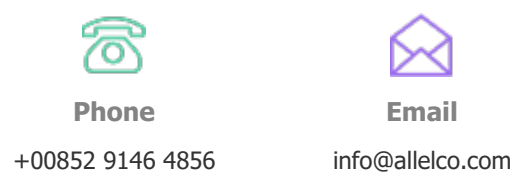
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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