





SQJ415EP-T1_GE3

Manufacturer Part Number	SQJ415EP-T1_GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SQJ415EP-T1_GE3
ECAD Model	 Request Free CAD Models
Parts Description	MOSFET P-CH 40V 30A PPAK SO-8
Package	PowerPAK® SO-8
Data sheet	SQJ415EP.pdf
RoHs Status	 ROHS3 Compliant



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SQJ415EP-T1_GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SQJ415EP-T1_GE3 datasheet/specifications on AllelcoElec.com.

Request a quote for SQJ415EP-T1_GE3, please send us email: info@allelco.com

Specifications





SQJ415EP-T1_GE3 Tech Specifications

SQJ415EP-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	6000 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	95 nC @ 10 V
Supplier Device Package	PowerPAK® SO-8	FET Type	P-Channel
Series	Automotive, AEC-Q101, TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	14mOhm @ 10A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	45W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	PowerPAK® SO-8	Current - Continuous Drain (Id) @ 25°C	30A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SQJ415

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SQJ415EP-T1_GE3

Product Attribute	 NO PICTURE			
Part Number	SQJ415EP-T1_GE3	SQJ409EP-T1_GE3	SQJ402EP-T1_GE3	SQJ416EP-T1_GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
FET Feature	-	-	-	-
Vgs (Max)	±20V	±20V	±20V	±20V
Input Capacitance (Ciss) (Max) @ Vds	6000 pF @ 25 V	11000 pF @ 25 V	2289 pF @ 40 V	800 pF @ 25 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Current - Continuous Drain (Id) @ 25°C	30A (Tc)	60A (Tc)	32A (Tc)	27A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	10V
Package / Case	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Drain to Source Voltage (Vdss)	40 V	40 V	100 V	100 V
Gate Charge (Qg) (Max) @ Vgs	95 nC @ 10 V	260 nC @ 10 V	51 nC @ 10 V	20 nC @ 10 V
Supplier Device Package	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
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®	Automotive, AEC-Q101, TrenchFET®
Vgs(th) (Max) @ Id	2.5V @ 250µA	2.5V @ 250µA	2.5V @ 250µA	3.5V @ 250µA
Base Product Number	SQJ415	SQJ409	SQJ402	SQJ416
Rds On (Max) @ Id, Vgs	14mOhm @ 10A, 10V	7mOhm @ 10A, 10V	11mOhm @ 10A, 10V	30mOhm @ 10A, 10V
FET Type	P-Channel	P-Channel	N-Channel	N-Channel
Power Dissipation (Max)	45W (Tc)	68W (Tc)	83W (Tc)	45W (Tc)

SQJ415EP-T1_GE3 Datasheet PDF

Download SQJ415EP-T1_GE3 pdf datasheets and Vishay Siliconix documentation for SQJ415EP-T1_GE3 - Vishay Siliconix.

Datasheets

 SQJ415EP.pdf
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Customers Also Interested in

Recommended Products



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



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



SQJ420EP-T1-GE3



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



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



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



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



SQJ416EP-T1_GE3
Vishay Siliconix
MOSFET N-CH 100V 27A PPAK SO-8



SQJ431EPT1-GE3
VISAHY



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



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



SQJ416EP-T1-GE3
Electro-Films (EFI) / Vishay



SQJ422EP-T1-GE3
Electro-Films (EFI) / Vishay



SQJ420EP-T1_GE3
Vishay Siliconix
MOSFET N-CH 40V 30A PPAK SO-8



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



SQJ414EP-T1_GE3
Vishay Siliconix
MOSFET N-CH 30V 30A PPAK SO-8



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



SQJ403BEEP-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.



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 Fast Sourcing & Delivery

Contact us if you have any questions.

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Certifications & Memberships



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