





## SQS415ENW-T1\_GE3

Manufacturer Part Number	<b>SQS415ENW-T1_GE3</b>
Manufacturer	<b>Vishay / Siliconix</b>
Allelco Part Number	32D-SQS415ENW-T1_GE3
ECAD Model	 Request Free CAD Models
Parts Description	MOSFET P-CH 40V 16A PPAK1212-8W
Package	PowerPAK® 1212-8W
Data sheet	<b>SQS415ENW.pdf</b>
RoHs Status	 ROHS3 Compliant



**Get a Quote**

SQS415ENW-T1\_GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SQS415ENW-T1\_GE3 datasheet/specifications on AllelcoElec.com.  
Request a quote for SQS415ENW-T1\_GE3, please send us email: [info@allelco.com](mailto:info@allelco.com)





### Specifications

SQS415ENW-T1\_GE3 Tech Specifications  
SQS415ENW-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	4825 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	82 nC @ 10 V
Supplier Device Package	PowerPAK® 1212-8W	FET Type	P-Channel
Series	Automotive, AEC-Q101, TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	16.1mOhm @ 12A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	62.5W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	PowerPAK® 1212-8W	Current - Continuous Drain (Id) @ 25°C	16A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SQS415

### Parts with Similar Specifications


The three parts on the right have similar specifications to Vishay Siliconix SQS415ENW-T1\_GE3

Product Attribute	 NO PICTURE			
Part Number	SQS415ENW-T1_GE3	SQS401EN-T1_GE3	SQS460EN-T1_BE3	SQS462EN-T1_GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Base Product Number	SQS415	SQS401	SQS460	SQS462
Package / Case	PowerPAK® 1212-8W	PowerPAK® 1212-8	PowerPAK® 1212-8	PowerPAK® 1212-8
Vgs(th) (Max) @ Id	2.5V @ 250µA	2.5V @ 250µA	2.5V @ 250µA	2.5V @ 250µA
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Gate Charge (Qg) (Max) @ Vgs	82 nC @ 10 V	21.2 nC @ 4.5 V	20 nC @ 10 V	12 nC @ 10 V
Power Dissipation (Max)	62.5W (Tc)	62.5W (Tc)	39W (Tc)	33W (Tc)
Drain to Source Voltage (Vdss)	40 V	40 V	60 V	60 V
FET Feature	-	-	-	-
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Supplier Device Package	PowerPAK® 1212-8W	PowerPAK® 1212-8	PowerPAK® 1212-8	PowerPAK® 1212-8
Series	Automotive, AEC-Q101, TrenchFET®	TrenchFET®	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Input Capacitance (Ciss) (Max) @ Vds	4825 pF @ 25 V	1875 pF @ 20 V	755 pF @ 25 V	470 pF @ 25 V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
FET Type	P-Channel	P-Channel	N-Channel	N-Channel
Vgs (Max)	±20V	±20V	±20V	±20V
Current - Continuous Drain (Id) @ 25°C	16A (Tc)	16A (Tc)	8A (Tc)	8A (Tc)
Rds On (Max) @ Id, Vgs	16.1mOhm @ 12A, 10V	29mOhm @ 12A, 10V	36mOhm @ 5.3A, 10V	63mOhm @ 4.3A, 10V

### SQS415ENW-T1\_GE3 Datasheet PDF

Download SQS415ENW-T1\_GE3 pdf datasheets and Vishay Siliconix documentation for SQS415ENW-T1\_GE3 - Vishay Siliconix.

#### Datasheets

 SQS415ENW.pdf
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### Customers Also Interested in

#### Recommended Products



**SQS484EN**  
Electro-Films (EFI) / Vishay



**SQS401EN-T1-BE3**  
Electro-Films (EFI) / Vishay



**SQS484EN-T1-GE3**  
Electro-Films (EFI) / Vishay



**SQS401EN-T1-GE3**  
Vishay Siliconix  
MOSFET P-CH 40V 16A PPAK1212-8



**SQS460EN-T1\_BE3**  
Vishay Siliconix  
MOSFET N-CH 60V 8A PPAK1212-8



**SQS462EN-T1\_GE3**  
Vishay Siliconix  
MOSFET N-CH 60V 8A PPAK1212-8



**SQS37-2R2M-R**  
MAG



**SQS405EN-T1\_GE3**  
Vishay Siliconix  
MOSFET P-CH 12V 16A PPAK1212-8



**SQS411ENW-T1\_GE3**  
Vishay Siliconix  
MOSFET P-CH 40V 16A PPAK1212-8W



**SQS401EN-T1-GE3**  
Electro-Films (EFI) / Vishay



**SQS423EN-T1-GE3**  
Electro-Films (EFI) / Vishay



**SQS460EN-TI-GE3**  
Electro-Films (EFI) / Vishay



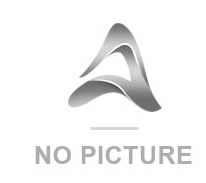
**SQS462EN-T1-GE3**  
Electro-Films (EFI) / Vishay



**SQS405EN-T1-GE3**  
Electro-Films (EFI) / Vishay



**SQS401EN-T1\_BE3**  
Vishay Siliconix  
MOSFET P-CH 40V 16A PPAK1212-8



**SQS460EN-T1-GE3**  
VISHAY



**SQS405ENW-T1-GE3**  
Electro-Films (EFI) / Vishay



**SQS482EN-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 -

Efficient Supply Management  
 Cost-Saving Procurement  
 Fast Sourcing & Delivery

Contact us if you have any questions.

Phone  
+00852 9146 4856  
 Email  
info@allelco.com

## Certifications & Memberships



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