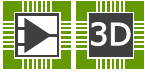




# SQS850EN-T1\_GE3

Manufacturer Part Number	<b>SQS850EN-T1_GE3</b>
Manufacturer	<b>Vishay / Siliconix</b>
Allelco Part Number	32D-SQS850EN-T1_GE3
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 60V 12A PPAK1212-8
Package	PowerPAK® 1212-8
Data sheet	<b>SQS850EN.pdf</b>



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## Specifications





SQS850EN-T1\_GE3 Tech Specifications

SQS850EN-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	2021 pF @ 30 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	41 nC @ 10 V
Supplier Device Package	PowerPAK® 1212-8	FET Type	N-Channel
Series	-	FET Feature	-
Rds On (Max) @ Id, Vgs	21.5mOhm @ 6.1A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	33W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	PowerPAK® 1212-8	Current - Continuous Drain (Id) @ 25°C	12A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SQS850

## Parts with Similar Specifications


The three parts on the right have similar specifications to Vishay Siliconix SQS850EN-T1\_GE3

Product Attribute	 NO PICTURE			
Part Number	SQS850EN-T1_GE3	<a href="#">SQS411ENW-T1_GE3</a>	<a href="#">SQS460EN-T1_BE3</a>	<a href="#">SQSA80ENW-T1_GE3</a>
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Base Product Number	SQS850	SQS411	SQS460	SQSA80
Power Dissipation (Max)	33W (Tc)	39.5W (Tc)	39W (Tc)	62.5W (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Package / Case	PowerPAK® 1212-8	PowerPAK® 1212-8W	PowerPAK® 1212-8	PowerPAK® 1212-8
Rds On (Max) @ Id, Vgs	21.5mOhm @ 6.1A, 10V	27.3mOhm @ 8A, 10V	36mOhm @ 5.3A, 10V	21mOhm @ 10A, 10V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Vgs (Max)	±20V	±20V	±20V	±20V
Vgs(th) (Max) @ Id	2.5V @ 250µA	2.5V @ 250µA	2.5V @ 250µA	2.5V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	41 nC @ 10 V	50 nC @ 10 V	20 nC @ 10 V	21 nC @ 10 V
Input Capacitance (Ciss) (Max) @ Vds	2021 pF @ 30 V	3191 pF @ 25 V	755 pF @ 25 V	1358 pF @ 40 V
Supplier Device Package	PowerPAK® 1212-8	PowerPAK® 1212-8W	PowerPAK® 1212-8	PowerPAK® 1212-8
FET Type	N-Channel	P-Channel	N-Channel	N-Channel
Series	-	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®
Current - Continuous Drain (Id) @ 25°C	12A (Tc)	16A (Tc)	8A (Tc)	18A (Tc)
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Drain to Source Voltage (Vdss)	60 V	40 V	60 V	80 V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
FET Feature	-	-	-	-

## SQS850EN-T1\_GE3 Datasheet PDF



















Download SQS850EN-T1\_GE3 pdf datasheets and Vishay Siliconix documentation for SQS850EN-T1\_GE3 - Vishay Siliconix.

### Datasheets


SQS850EN.pdf

## Customers Also Interested in

### Recommended Products

 <b>SQS411ENW-T1_GE3</b> Vishay Siliconix MOSFET P-CH 40V 16A PPAK1212-8W	 <b>SQS484EN</b> Electro-Films (EFI) / Vishay	 <b>SQS460EN-T1_BE3</b> Vishay Siliconix MOSFET N-CH 60V 8A PPAK1212-8	 <b>SQS484EN-T1-GE3</b> Electro-Films (EFI) / Vishay	 <b>SQSA80ENW-T1_GE3</b> Vishay Siliconix MOSFET N-CH 80V 18A PPAK1212-8	 <b>SQS460EN-TI-GE3</b> Electro-Films (EFI) / Vishay
 <b>SQS482EN-T1-GE3</b> Electro-Films (EFI) / Vishay	 <b>SQS423EN-T1-GE3</b> Electro-Films (EFI) / Vishay	 <b>SQS462EN-T1_GE3</b> Vishay Siliconix MOSFET N-CH 60V 8A PPAK1212-8	 <b>SQS484EN-T1_BE3</b> Vishay Siliconix MOSFET N-CH 40V 16A 1212-8	 <b>SQS462EN-T1-GE3</b> Electro-Films (EFI) / Vishay	 <b>SQSA12CENW-T1_GE3</b> Vishay Siliconix AUTOMOTIVE N-CHANNEL 100 V (D-S)
 <b>SQS850EN-T1-GE3</b> Electro-Films (EFI) / Vishay	 <b>SQS460EN-T1-GE3</b> VISHAY	 <b>SQS840EN-T1-GE3</b> Electro-Films (EFI) / Vishay	 <b>SQS405EN-T1_GE3</b> Vishay Siliconix MOSFET P-CH 12V 16A PPAK1212-8	 <b>SQS405ENW-T1-GE3</b> Electro-Films (EFI) / Vishay	 <b>SQS415ENW-T1_GE3</b> Vishay Siliconix MOSFET P-CH 40V 16A PPAK1212-8W

## 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.

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