




SQS460EN-T1_BE3

Manufacturer Part Number	SQS460EN-T1_BE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SQS460EN-T1_BE3
ECAD Model	 Request Free CAD Models
Parts Description	MOSFET N-CH 60V 8A PPAK1212-8
Package	PowerPAK® 1212-8
Data sheet	Automotive N-Channel 60 V (D-S) 175 °C MOSFET.pdf

VISHAY.

Get a Quote

SQS460EN-T1_BE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SQS460EN-T1_BE3 datasheet/specifications on AllelcoElec.com.
Request a quote for SQS460EN-T1_BE3, please send us email: info@allelco.com

Specifications





SQS460EN-T1_BE3 Tech Specifications

SQS460EN-T1_BE3 - 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	755 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	20 nC @ 10 V
Supplier Device Package	PowerPAK® 1212-8	FET Type	N-Channel
Series	Automotive, AEC-Q101, TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	36mOhm @ 5.3A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	39W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	PowerPAK® 1212-8	Current - Continuous Drain (Id) @ 25°C	8A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SQS460

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SQS460EN-T1_BE3

Product Attribute	 NO PICTURE			
Part Number	SQS460EN-T1_BE3	SQS462EN-T1_GE3	SQS401EN-T1_GE3	SQS405EN-T1_GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Current - Continuous Drain (Id) @ 25°C	8A (Tc)	8A (Tc)	16A (Tc)	16A (Tc)
Vgs (Max)	±20V	±20V	±20V	±8V
Package / Case	PowerPAK® 1212-8	PowerPAK® 1212-8	PowerPAK® 1212-8	PowerPAK® 1212-8
Input Capacitance (Ciss) (Max) @ Vds	755 pF @ 25 V	470 pF @ 25 V	1875 pF @ 20 V	2650 pF @ 6 V
Rds On (Max) @ Id, Vgs	36mOhm @ 5.3A, 10V	63mOhm @ 4.3A, 10V	29mOhm @ 12A, 10V	20mOhm @ 13.5A, 4.5V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Power Dissipation (Max)	39W (Tc)	33W (Tc)	62.5W (Tc)	39W (Tc)
Series	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®	TrenchFET®	Automotive, AEC-Q101, TrenchFET®
Vgs(th) (Max) @ Id	2.5V @ 250µA	2.5V @ 250µA	2.5V @ 250µA	1V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	20 nC @ 10 V	12 nC @ 10 V	21.2 nC @ 4.5 V	75 nC @ 8 V
Drain to Source Voltage (Vdss)	60 V	60 V	40 V	12 V
Base Product Number	SQS460	SQS462	SQS401	SQS405
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	2.5V, 4.5V
FET Feature	-	-	-	-
FET Type	N-Channel	N-Channel	P-Channel	P-Channel
Supplier Device Package	PowerPAK® 1212-8	PowerPAK® 1212-8	PowerPAK® 1212-8	PowerPAK® 1212-8
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)

SQS460EN-T1_BE3 Datasheet PDF

Download SQS460EN-T1_BE3 pdf datasheets and Vishay Siliconix documentation for SQS460EN-T1_BE3 - Vishay Siliconix.

Datasheets



Automotive N-Channel 60 V (D-S) 175 °C MOSFET.pdf

Customers Also Interested in

Recommended Products



SQS840EN-T1-GE3
Electro-Films (EFI) / Vishay



SQS484EN
Electro-Films (EFI) / Vishay



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



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



SQS850EN-T1-GE3
Electro-Films (EFI) / Vishay



SQS460EN-T1-GE3
VISHAY



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



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



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



SQS462EN-T1_GE3
Vishay Siliconix
MOSFET N-CH 60V 8A PPAK1212-8



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



SQS401EN-T1_GE3
Vishay Siliconix
MOSFET P-CH 40V 16A PPAK1212-8



SQS405EN-T1_GE3
Vishay Siliconix
MOSFET P-CH 12V 16A PPAK1212-8



SQS401EN-T1_BE3
Vishay Siliconix
MOSFET P-CH 40V 16A PPAK1212-8



SQS482EN-T1-GE3
Electro-Films (EFI) / Vishay



SQS415ENW-T1_GE3
Vishay Siliconix
MOSFET P-CH 40V 16A PPAK1212-8W



SQS411ENW-T1_GE3
Vishay Siliconix
MOSFET P-CH 40V 16A PPAK1212-8W



SQS484EN-T1_BE3
Vishay Siliconix
MOSFET N-CH 40V 16A PPAK1212-8

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.



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Efficient Supply Management
 Cost-Saving Procurement
 Fast Sourcing & Delivery

Contact us if you have any questions.

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Certifications & Memberships



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