

Image may be representation.
See specifications for product details.



SQ2319ADS-T1_BE3

Manufacturer Part Number	SQ2319ADS-T1_BE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SQ2319ADS-T1_BE3
ECAD Model	Request Free CAD Models
Parts Description	MOSFET P-CH 40V 4.6A SOT23-3
Package	TO-236-3, SC-59, SOT-23-3
Data sheet	Automotive P-Channel 40 V (D-S) MOSFET.pdf

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SQ2319ADS-T1_BE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SQ2319ADS-T1_BE3 datasheet/specifications on AllelcoElec.com.
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Specifications

SQ2319ADS-T1_BE3 Tech Specifications
SQ2319ADS-T1_BE3 - Vishay Siliconix technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Vishay / Siliconix	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	2.5V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	620 pF @ 20 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	16 nC @ 10 V
Supplier Device Package	SOT-23-3 (TO-236)	FET Type	P-Channel
Series	Automotive, AEC-Q101, TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	75mOhm @ 3A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	2.5W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	TO-236-3, SC-59, SOT-23-3	Current - Continuous Drain (Id) @ 25°C	4.6A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SQ2319

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SQ2319ADS-T1_BE3

Product Attribute				
Part Number	SQ2319ADS-T1_BE3	SQ2318BES-T1_GE3	SQ2318AES-T1_GE3	SQ2348ES-T1_GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Input Capacitance (Ciss) (Max) @ Vds	620 pF @ 20 V	500 pF @ 25 V	555 pF @ 10 V	540 pF @ 15 V
FET Type	P-Channel	N-Channel	N-Channel	N-Channel
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Drain to Source Voltage (Vdss)	40 V	40 V	40 V	30 V
Power Dissipation (Max)	2.5W (Tc)	3W (Tc)	3W (Tc)	3W (Tc)
Vgs (Max)	±20V	±20V	±20V	±20V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Gate Charge (Qg) (Max) @ Vgs	16 nC @ 10 V	9.4 nC @ 10 V	13 nC @ 10 V	14.5 nC @ 10 V
Package / Case	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3
Supplier Device Package	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Series	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®	TrenchFET®
Rds On (Max) @ Id, Vgs	75mOhm @ 3A, 10V	26.3mOhm @ 4A, 10V	31mOhm @ 7.9A, 10V	24mOhm @ 12A, 10V
Vgs(th) (Max) @ Id	2.5V @ 250µA	2.5V @ 250µA	2.5V @ 250µA	2.5V @ 250µA
FET Feature	-	-	-	-
Current - Continuous Drain (Id) @ 25°C	4.6A (Tc)	8A (Tc)	8A (Tc)	8A (Tc)
Base Product Number	SQ2319	SQ2318	SQ2318	SQ2348
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

SQ2319ADS-T1_BE3 Datasheet PDF

Download SQ2319ADS-T1_BE3 pdf datasheets and Vishay Siliconix documentation for SQ2319ADS-T1_BE3 - Vishay Siliconix.

Datasheets

[Automotive P-Channel 40 V \(D-S\) MOSFET.pdf](#)

Customers Also Interested in

Recommended Products



SQ2325ES-T1-GE3
Electro-Films (EFI) / Vishay



SQ2328ES-T1-GE3
Electro-Films (EFI) / Vishay



SQ2348ES-T1-GE3
Electro-Films (EFI) / Vishay



SQ2318BES-T1_GE3
Vishay Siliconix
MOSFET N-CH 40V 8A SOT23-3



SQ2318ASE
Electro-Films (EFI) / Vishay



SQ2337ES-T1-GE3
Electro-Films (EFI) / Vishay



SQ2318AES-T1_GE3
Vishay Siliconix
MOSFET N-CH 40V 8A SOT23-3



SQ2348ES-T1_GE3
Vishay Siliconix
MOSFET N-CH 30V 8A TO236



SQ2318AES-T1_BE3
Vishay Siliconix
MOSFET N-CH 40V 8A SOT23-3



SQ2319ADS-T1_GE3
Vishay Siliconix
MOSFET P-CH 40V 4.6A SOT23-3



SQ2337ES-T1_BE3
Vishay Siliconix
MOSFET P-CH 80V 2.2A SOT23-3



SQ2318ES-T1-GE3
Electro-Films (EFI) / Vishay



SQ2325ES-T1_GE3
Vishay Siliconix
MOSFET P-CH 150V 840MA TO236



SQ2318AES-T1-GE3
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SQ2318AES-T1
Electro-Films (EFI) / Vishay



SQ2319ADS-T1-GE3
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SQ2319ES-T1-GE3
Vishay Siliconix
MOSFET P-CH 40V 4.6A TO-236



SQ2315ES-T1_GE3
Vishay Siliconix
MOSFET P-CH 12V 5A SOT23-3

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:
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