

Image may be representation.
See specifications for product details.



SQ3418EV-T1_GE3

Manufacturer Part Number	SQ3418EV-T1_GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SQ3418EV-T1_GE3
ECAD Model	3D Model
Parts Description	MOSFET N-CHANNEL 40V 8A 6TSOP
Package	SOT-23-6 Thin, TSOT-23-6
Data sheet	SQ3418EV.pdf

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SQ3418EV-T1_GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SQ3418EV-T1_GE3 datasheet/specifications on AllelcoElec.com.
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Specifications

SQ3418EV-T1_GE3 Tech Specifications

SQ3418EV-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	678 pF @ 20 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	12.7 nC @ 10 V
Supplier Device Package	6-TSOP	FET Type	N-Channel
Series	Automotive, AEC-Q101, TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	32mOhm @ 5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	5W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	SOT-23-6 Thin, TSOT-23-6	Current - Continuous Drain (Id) @ 25°C	8A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SQ3418

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SQ3418EV-T1_GE3

Product Attribute				
Part Number	SQ3418EV-T1_GE3	SQ3418AEEV-T1_GE3	SQ3419EEV-T1-GE3	SQ3426EEV-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
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)	Cut Tape (CT)
Supplier Device Package	6-TSOP	6-TSOP	6-TSOP	6-TSOP
Rds On (Max) @ Id, Vgs	32mOhm @ 5A, 10V	35mOhm @ 6A, 10V	50mOhm @ 2.5A, 10V	42mOhm @ 5A, 10V
Gate Charge (Qg) (Max) @ Vgs	12.7 nC @ 10 V	3.5 nC @ 4.5 V	15 nC @ 4.5 V	12 nC @ 4.5 V
Input Capacitance (Ciss) (Max) @ Vds	678 pF @ 20 V	528 pF @ 25 V	1065 pF @ 20 V	700 pF @ 30 V
Series	Automotive, AEC-Q101, TrenchFET®	TrenchFET®	TrenchFET®	-
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-
FET Type	N-Channel	N-Channel	P-Channel	N-Channel
Base Product Number	SQ3418	SQ3418	SQ3419	SQ3426
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Package / Case	SOT-23-6 Thin, TSOT-23-6	SOT-23-6 Thin, TSOT-23-6	SOT-23-6 Thin, TSOT-23-6	SOT-23-6 Thin, TSOT-23-6
Vgs (Max)	±20V	±20V	±12V	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	-
FET Feature	-	-	-	-
Current - Continuous Drain (Id) @ 25°C	8A (Tc)	8A	7.4A (Tc)	7A (Tc)
Drain to Source Voltage (Vdss)	40 V	40 V	40 V	60 V
Power Dissipation (Max)	5W (Tc)	5W (Tc)	5W (Tc)	-

SQ3418EV-T1_GE3 Datasheet PDF

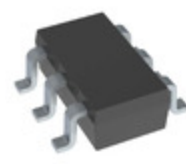
Download SQ3418EV-T1_GE3 pdf datasheets and Vishay Siliconix documentation for SQ3418EV-T1_GE3 - Vishay Siliconix.

Datasheets

SQ3418EV.pdf

Customers Also Interested in

Recommended Products



SQ3418AEEV-T1_GE3

Vishay Siliconix
MOSFET N-CHANNEL 30V 7.8A
6TSOP

SQ3419EEV-T1-GE3

Vishay Siliconix
MOSFET P-CH 40V 7.4A 6TSOP

SQ330060.000M

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SQ3418AEEV-T1-BE3

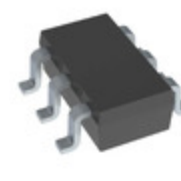
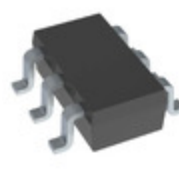
Electro-Films (EFI) / Vishay

SQ3410EV-T1-GE3

Electro-Films (EFI) / Vishay

SQ3419EV-T1-GE3

Electro-Films (EFI) / Vishay



SQ3418EV-T1-GE3

Electro-Films (EFI) / Vishay

SQ3426EV-T1-BE3

Electro-Films (EFI) / Vishay

SQ3426EEV-T1-GE3

Vishay Siliconix
MOSFET N-CH 60V 7A 6TSOP

SQ3426AEEV-T1_GE3

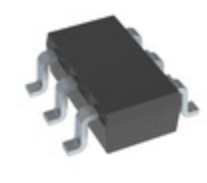
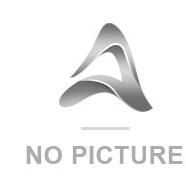
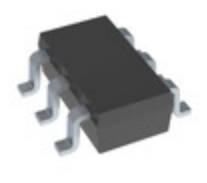
Vishay Siliconix
MOSFET N-CH 60V 7A 6TSOP

SQ3426EEV-T1_GE3

Electro-Films (EFI) / Vishay

SQ3426AEEV-T1-GE3

Electro-Films (EFI) / Vishay



SQ3419EV-T1_BE3

Vishay Siliconix
MOSFET P-CH 40V 6.9A 6TSOP

SQ32256R8KLB

ABC

SQ3418AEEV-T1

Electro-Films (EFI) / Vishay

SQ3418AEEV-T1-GE3

Electro-Films (EFI) / Vishay

SQ3425EV-T1

Electro-Films (EFI) / Vishay

SQ3418EEV-T1-GE3

Vishay Siliconix
MOSFET N-CH 40V 8A 6TSOP

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 Alleco 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.



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Email
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Certifications & Memberships



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