



Image may be representation.
See specifications for product details.



SQ2348ES-T1_GE3

Manufacturer Part Number	SQ2348ES-T1_GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SQ2348ES-T1_GE3
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 30V 8A TO236
Package	TO-236-3, SC-59, SOT-23-3
Data sheet	SQ2348ES.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

SQ2348ES-T1_GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SQ2348ES-T1_GE3 datasheet/specifications on AllelcoElec.com. Request a quote for SQ2348ES-T1_GE3, please send us email: info@allelco.com

Specifications

SQ2348ES-T1_GE3 Tech Specifications
SQ2348ES-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	540 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	14.5 nC @ 10 V
Supplier Device Package	SOT-23-3 (TO-236)	FET Type	N-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	24mOhm @ 12A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	3W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	TO-236-3, SC-59, SOT-23-3	Current - Continuous Drain (Id) @ 25°C	8A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SQ2348

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SQ2348ES-T1_GE3

Product Attribute				
Part Number	SQ2348ES-T1_GE3	SQ2319ADS-T1_BE3	SQ2325ES-T1_GE3	SQ2337ES-T1_BE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
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
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Power Dissipation (Max)	3W (Tc)	2.5W (Tc)	3W (Tc)	3W (Tc)
FET Feature	-	-	-	-
Input Capacitance (Ciss) (Max) @ Vds	540 pF @ 15 V	620 pF @ 20 V	250 pF @ 50 V	620 pF @ 40 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Type	N-Channel	P-Channel	P-Channel	P-Channel
Vgs(th) (Max) @ Id	2.5V @ 250µA	2.5V @ 250µA	3.5V @ 250µA	2.5V @ 250µA
Series	TrenchFET®	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	10V	6V, 10V
Rds On (Max) @ Id, Vgs	24mOhm @ 12A, 10V	75mOhm @ 3A, 10V	1.770hm @ 500mA, 10V	290mOhm @ 1.2A, 10V
Drain to Source Voltage (Vdss)	30 V	40 V	150 V	80 V
Supplier Device Package	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Gate Charge (Qg) (Max) @ Vgs	14.5 nC @ 10 V	16 nC @ 10 V	10 nC @ 10 V	18 nC @ 10 V
Current - Continuous Drain (Id) @ 25°C	8A (Tc)	4.6A (Tc)	840mA (Tc)	2.2A (Tc)
Base Product Number	SQ2348	SQ2319	SQ2325	SQ2337
Vgs (Max)	±20V	±20V	±20V	±20V
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TA)	-55°C ~ 175°C (TJ)

SQ2348ES-T1_GE3 Datasheet PDF

Download SQ2348ES-T1_GE3 pdf datasheets and Vishay Siliconix documentation for SQ2348ES-T1_GE3 - Vishay Siliconix.

Datasheets

[SQ2348ES.pdf](#)

PCN Part Number

[New Ordering Code 19/Mar/2015.pdf](#)

PCN Obsolescence/ EOL

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

SQ2319ADS-T1_BE3 Vishay Siliconix MOSFET P-CH 40V 4.6A SOT23-3	SQ2325ES-T1_GE3 Vishay Siliconix MOSFET P-CH 150V 840MA TO236	SQ2337ES-T1_BE3 Vishay Siliconix MOSFET P-CH 80V 2.2A SOT23-3	SQ2361AEES-T1-GE3 Electro-Films (EFI) / Vishay	SQ2360EES-T1-GE3 Vishay Siliconix MOSFET N-CH 60V 4.4A TO236	SQ2361AEES-T1_BE3 Vishay Siliconix MOSFET P-CH 60V 2.8A SOT23-3
SQ2361AEES-T1 Electro-Films (EFI) / Vishay	SQ2319ADS-T1_GE3 Vishay Siliconix MOSFET P-CH 40V 4.6A SOT23-3	SQ2319ES-T1-GE3 Vishay Siliconix MOSFET P-CH 40V 4.6A TO-236	SQ2351ES-T1_GE3 Vishay Siliconix MOSFET P-CH 20V 3.2A SOT23-3	SQ2319ADS-T1-GE3 Electro-Films (EFI) / Vishay	SQ2361EES-T1-GE3 Vishay Siliconix MOSFET P-CH 60V 2.5A SOT23-3
SQ2325ES-T1-GE3 Electro-Films (EFI) / Vishay	SQ2361AEES-T1_GE3 Vishay Siliconix MOSFET P-CH 60V 2.8A SSOT23	SQ2328ES-T1-GE3 Electro-Films (EFI) / Vishay	SQ2348ES-T1-GE3 Electro-Films (EFI) / Vishay	SQ2337ES-T1-GE3 Electro-Films (EFI) / Vishay	SQ2351ES-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
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Contact us if you have any questions.

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Certifications & Memberships



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