

Image may be representation.
See specifications for product details.



SI2309CDS-T1-GE3

Manufacturer Part Number	SI2309CDS-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SI2309CDS-T1-GE3
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET P-CH 60V 1.6A SOT23-3
Package	TO-236-3, SC-59, SOT-23-3
Data sheet	SI2309CDS.pdf
RoHs Status	ROHS3 Compliant

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SI2309CDS-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI2309CDS-T1-GE3 datasheet/specifications on AllelcoElec.com. Request a quote for SI2309CDS-T1-GE3, please send us email: info@allelco.com

Specifications

SI2309CDS-T1-GE3 Tech Specifications
SI2309CDS-T1-GE3 - 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	3V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	210 pF @ 30 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	4.1 nC @ 4.5 V
Supplier Device Package	SOT-23-3 (TO-236)	FET Type	P-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	345mOhm @ 1.25A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	1W (Ta), 1.7W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	TO-236-3, SC-59, SOT-23-3	Current - Continuous Drain (Id) @ 25°C	1.6A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SI2309

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI2309CDS-T1-GE3

Product Attribute				
Part Number	SI2309CDS-T1-GE3	SI2309CDS-T1-E3	SI2309DS-T1-E3	SI2308DS-T1-E3
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
Gate Charge (Qg) (Max) @ Vgs	4.1 nC @ 4.5 V	4.1 nC @ 4.5 V	12 nC @ 10 V	10 nC @ 10 V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Base Product Number	SI2309	SI2309	SI2309	SI2308
Rds On (Max) @ Id, Vgs	345mOhm @ 1.25A, 10V	345mOhm @ 1.25A, 10V	340mOhm @ 1.25A, 10V	160mOhm @ 2A, 10V
Current - Continuous Drain (Id) @ 25°C	1.6A (Tc)	1.6A (Tc)	1.25A (Ta)	2A (Ta)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Power Dissipation (Max)	1W (Ta), 1.7W (Tc)	1W (Ta), 1.7W (Tc)	1.25W (Ta)	1.25W (Ta)
Input Capacitance (Ciss) (Max) @ Vds	210 pF @ 30 V	210 pF @ 30 V	-	240 pF @ 25 V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Vgs(th) (Max) @ Id	3V @ 250µA	3V @ 250µA	1V @ 250µA (Min)	3V @ 250µA
Vgs (Max)	±20V	±20V	±20V	±20V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Series	TrenchFET®	TrenchFET®	TrenchFET®	TrenchFET®
FET Type	P-Channel	P-Channel	P-Channel	N-Channel
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Feature	-	-	-	-
Drain to Source Voltage (Vdss)	60 V	60 V	60 V	60 V
Supplier Device Package	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)

SI2309CDS-T1-GE3 Datasheet PDF

Download SI2309CDS-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SI2309CDS-T1-GE3 - Vishay Siliconix.

Datasheets

[SI2309CDS.pdf](#)



















PCN Assembly/Origin

[New Solder Plating Site 18/Apr/2023.pdf](#)

Environmental Information

Customers Also Interested in

Recommended Products

 NO PICTURE		 NO PICTURE			 NO PICTURE
SI2310/KF2310 KEFAN	SI2308DS-T1 Electro-Films (EFI) / Vishay	SI2309DS/A92T	SI2309DS-TI-E3 Electro-Films (EFI) / Vishay	SI2309DS MOS Electro-Films (EFI) / Vishay	SI2309/KF2309 KEFAN
	 NO PICTURE				
SI2309DS-T1-GE3 Electro-Films (EFI) / Vishay	SI2309 KEFAN	SI2309/RCR2P06SJ Electro-Films (EFI) / Vishay	Si2308DS-T1-GE3 Electro-Films (EFI) / Vishay	SI2309BDS-T1-E3 Electro-Films (EFI) / Vishay	SI2309CDS-T1-E3 Vishay Siliconix MOSFET P-CH 60V 1.6A SOT23-3
	 NO PICTURE		 NO PICTURE		 NO PICTURE
SI2309BDS-T1-GE3 Electro-Films (EFI) / Vishay	SI2310 KEFAN	SI2309DS-T1-E3 Vishay Siliconix MOSFET P-CH 60V 1.25A SOT23-3	SI2309CDS MI	SI2308DS-T1-E3 Vishay Siliconix MOSFET N-CH 60V 2A SOT23-3	SI2309DS SIPUSEMI

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.

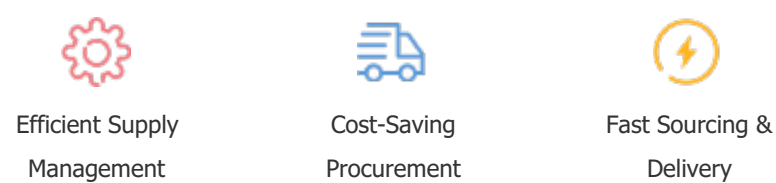
Payment Support

The payment method can be chosen from the methods shown below:

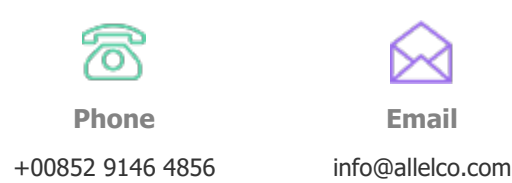
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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