

Image may be representation.
See specifications for product details.



SI2301CDS-T1-GE3

Manufacturer Part Number	SI2301CDS-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SI2301CDS-T1-GE3
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET P-CH 20V 3.1A SOT23-3
Package	TO-236-3, SC-59, SOT-23-3
Data sheet	SI2301CDS.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

SI2301CDS-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI2301CDS-T1-GE3 datasheet/specifications on AllelcoElec.com.
Request a quote for SI2301CDS-T1-GE3, please send us email: info@allelco.com

Specifications

SI2301CDS-T1-GE3 Tech Specifications
SI2301CDS-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	1V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±8V	Input Capacitance (Ciss) (Max) @ Vds	405 pF @ 10 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	10 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	112mOhm @ 2.8A, 4.5V	Drive Voltage (Max Rds On, Min Rds On)	2.5V, 4.5V
Power Dissipation (Max)	860mW (Ta), 1.6W (Tc)	Drain to Source Voltage (Vdss)	20 V
Package / Case	TO-236-3, SC-59, SOT-23-3	Current - Continuous Drain (Id) @ 25°C	3.1A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SI2301

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI2301CDS-T1-GE3

Product Attribute				
Part Number	SI2301CDS-T1-GE3	SI2301CDS-T1-E3	SI2301BDS-T1-GE3	SI2301BDS-T1-E3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Drive Voltage (Max Rds On, Min Rds On)	2.5V, 4.5V	2.5V, 4.5V	2.5V, 4.5V	2.5V, 4.5V
Rds On (Max) @ Id, Vgs	112mOhm @ 2.8A, 4.5V	112mOhm @ 2.8A, 4.5V	100mOhm @ 2.8A, 4.5V	100mOhm @ 2.8A, 4.5V
Gate Charge (Qg) (Max) @ Vgs	10 nC @ 4.5 V	10 nC @ 4.5 V	10 nC @ 4.5 V	10 nC @ 4.5 V
Power Dissipation (Max)	860mW (Ta), 1.6W (Tc)	860mW (Ta), 1.6W (Tc)	700mW (Ta)	700mW (Ta)
Vgs(th) (Max) @ Id	1V @ 250µA	1V @ 250µA	950mV @ 250µA	950mV @ 250µA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Input Capacitance (Ciss) (Max) @ Vds	405 pF @ 10 V	405 pF @ 10 V	375 pF @ 6 V	375 pF @ 6 V
FET Feature	-	-	-	-
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
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Drain to Source Voltage (Vdss)	20 V	20 V	20 V	20 V
Supplier Device Package	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)
Base Product Number	SI2301	SI2301	SI2301	SI2301
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Type	P-Channel	P-Channel	P-Channel	P-Channel
Vgs (Max)	±8V	±8V	±8V	±8V
Current - Continuous Drain (Id) @ 25°C	3.1A (Tc)	3.1A (Tc)	2.2A (Ta)	2.2A (Ta)
Series	TrenchFET®	TrenchFET®	TrenchFET®	TrenchFET®

SI2301CDS-T1-GE3 Datasheet PDF

Download SI2301CDS-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SI2301CDS-T1-GE3 - Vishay Siliconix.

Datasheets

SI2301CDS.pdf



















PCN Assembly/Origin

New Solder Plating Site 18/Apr/2023.pdf

Environmental Information

Customers Also Interested in

Recommended Products

					
SI2301CDS-T1-GE3 MOS Electro-Films (EFI) / Vishay	SI2301DS-T Electro-Films (EFI) / Vishay	SI2301DS-T1-GE3 Electro-Films (EFI) / Vishay	SI2301DS-T1 SILICONIX	SI2301CDS-T1-E3 Vishay Siliconix MOSFET P-CH 20V 3.1A SOT23-3	SI2301ADS-T1-GE3 Electro-Films (EFI) / Vishay
					
SI2301BDS SIPUSEMI	SI2301ADS-T1-E3 Electro-Films (EFI) / Vishay	SI2301BDS-T1 Electro-Films (EFI) / Vishay	SI2301BDS-T1-ES Electro-Films (EFI) / Vishay	SI2301G 2.3A TF	SI2301DS-T1-E3 Electro-Films (EFI) / Vishay
					
SI2301BDS-T1-GE3 Vishay Siliconix MOSFET P-CH 20V 2.2A SOT23-3	SI2301CDS-T1-GE3 Electro-Films (EFI) / Vishay	SI2301BDS-T1-E3 Vishay Siliconix MOSFET P-CH 20V 2.2A SOT23-3	SI2301CDS-T1 Electro-Films (EFI) / Vishay	SI2301CDS Electro-Films (EFI) / Vishay	SI2301DS 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

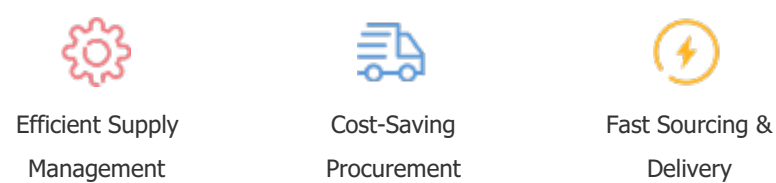
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

Payment Support

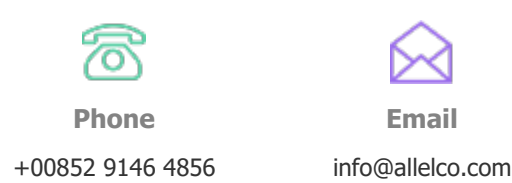
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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