

Image may be representation.
See specifications for product details.



SI2316BDS-T1-GE3

Manufacturer Part Number	SI2316BDS-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SI2316BDS-T1-GE3
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 30V 4.5A SOT23-3
Package	TO-236-3, SC-59, SOT-23-3
Data sheet	SI2316BDS.pdf
RoHs Status	ROHS3 Compliant

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SI2316BDS-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI2316BDS-T1-GE3 datasheet/specifications on AllelcoElec.com. Request a quote for SI2316BDS-T1-GE3, please send us email: info@allelco.com

Specifications

SI2316BDS-T1-GE3 Tech Specifications
SI2316BDS-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	350 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	9.6 nC @ 10 V
Supplier Device Package	SOT-23-3 (TO-236)	FET Type	N-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	50mOhm @ 3.9A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	1.25W (Ta), 1.66W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	TO-236-3, SC-59, SOT-23-3	Current - Continuous Drain (Id) @ 25°C	4.5A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SI2316

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI2316BDS-T1-GE3

Product Attribute				
Part Number	SI2316BDS-T1-GE3	SI2318A-TP	SI2318CDS-T1-BE3	SI2316DS-T1-GE3
Manufacturer	Vishay Siliconix	Micro Commercial Co	Vishay Siliconix	Vishay Siliconix
Series	TrenchFET®	-	-	TrenchFET®
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
Base Product Number	SI2316	SI2318	-	SI2316
Input Capacitance (Ciss) (Max) @ Vds	350 pF @ 15 V	330 pF @ 20 V	340 pF @ 20 V	215 pF @ 15 V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Gate Charge (Qg) (Max) @ Vgs	9.6 nC @ 10 V	5.4 nC @ 10 V	9 nC @ 10 V	7 nC @ 10 V
Vgs(th) (Max) @ Id	3V @ 250µA	1.8V @ 250µA	2.5V @ 250µA	800mV @ 250µA (Min)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Supplier Device Package	SOT-23-3 (TO-236)	SOT-23	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)
Power Dissipation (Max)	1.25W (Ta), 1.66W (Tc)	1.2W	1.25W (Ta), 2.1W (Tc)	700mW (Ta)
Rds On (Max) @ Id, Vgs	50mOhm @ 3.9A, 10V	45mOhm @ 5A, 10V	42mOhm @ 4.3A, 10V	50mOhm @ 3.4A, 10V
Current - Continuous Drain (Id) @ 25°C	4.5A (Tc)	5A (Ta)	4.3A (Ta), 5.6A (Tc)	2.9A (Ta)
FET Feature	-	-	-	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	30 V	40 V	40 V	30 V
Vgs (Max)	±20V	±20V	±20V	±20V

SI2316BDS-T1-GE3 Datasheet PDF

Download SI2316BDS-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SI2316BDS-T1-GE3 - Vishay Siliconix.

Datasheets

[SI2316BDS.pdf](#)



















PCN Assembly/Origin

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

Environmental Information

Customers Also Interested in

Recommended Products

					
SI2318BDS-T1-E3 Electro-Films (EFI) / Vishay	SI2316DS-T1-E3 MOS Electro-Films (EFI) / Vishay	SI2315DS-TEZ Electro-Films (EFI) / Vishay	SI2318A-TP Micro Commercial Co MOSFET N-CH SOT23-3	SI2315DS-T1-E3 Electro-Films (EFI) / Vishay	SI2318CDS-T1-BE3 Vishay Siliconix N-CHANNEL 40-V (D-S) MOSFET
					
SI2316DS-T1-GE3 Vishay Siliconix MOSFET N-CH 30V 2.9A SOT23-3	SI2316BDS-T1-E3 Vishay Siliconix MOSFET N-CH 30V 4.5A SOT23-3	SI2316DS-T1-GE3 MOS Electro-Films (EFI) / Vishay	SI2315BDS-T1-E3 Electro-Films (EFI) / Vishay	SI2317DS-T1-E3 Electro-Films (EFI) / Vishay	SI2316DS-T1-E3 Vishay Siliconix MOSFET N-CH 30V 2.9A SOT23-3
					
SI2315DS-TI-E3 Electro-Films (EFI) / Vishay	SI2315DS SIPUSEMI	SI2315DS-T1-GE3 Electro-Films (EFI) / Vishay	SI2316-DS Electro-Films (EFI) / Vishay	SI2315DS-T1 Electro-Films (EFI) / Vishay	SI2316BDS 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

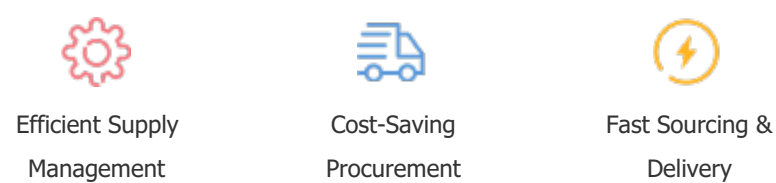
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

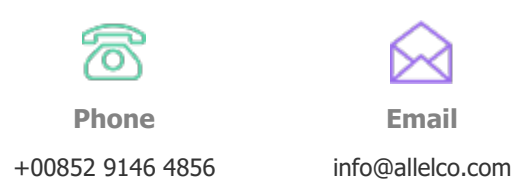
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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