

Image may be representation.
See specifications for product details.



SI2316DS-T1-E3

Manufacturer Part Number	SI2316DS-T1-E3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SI2316DS-T1-E3
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 30V 2.9A SOT23-3
Package	TO-236-3, SC-59, SOT-23-3
Data sheet	SI2316DS.pdf
RoHs Status	ROHS3 Compliant

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SI2316DS-T1-E3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI2316DS-T1-E3 datasheet/specifications on AllelcoElec.com.
Request a quote for SI2316DS-T1-E3, please send us email: info@allelco.com

Specifications

SI2316DS-T1-E3 Tech Specifications
SI2316DS-T1-E3 - 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	800mV @ 250µA (Min)	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	215 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	7 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 @ 3.4A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	700mW (Ta)	Drain to Source Voltage (Vdss)	30 V
Package / Case	TO-236-3, SC-59, SOT-23-3	Current - Continuous Drain (Id) @ 25°C	2.9A (Ta)
Package	Tape & Reel (TR)	Base Product Number	SI2316

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI2316DS-T1-E3

Product Attribute				
Part Number	SI2316DS-T1-E3	SI2316BDS-T1-E3	SI2318CDS-T1-BE3	SI2318CDS-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Vgs (Max)	±20V	±20V	±20V	±20V
Gate Charge (Qg) (Max) @ Vgs	7 nC @ 10 V	9.6 nC @ 10 V	9 nC @ 10 V	9 nC @ 10 V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Vgs(th) (Max) @ Id	800mV @ 250µA (Min)	3V @ 250µA	2.5V @ 250µA	2.5V @ 250µA
Input Capacitance (Ciss) (Max) @ Vds	215 pF @ 15 V	350 pF @ 15 V	340 pF @ 20 V	340 pF @ 20 V
Current - Continuous Drain (Id) @ 25°C	2.9A (Ta)	4.5A (Tc)	4.3A (Ta), 5.6A (Tc)	5.6A (Tc)
Rds On (Max) @ Id, Vgs	50mOhm @ 3.4A, 10V	50mOhm @ 3.9A, 10V	42mOhm @ 4.3A, 10V	42mOhm @ 4.3A, 10V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
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)	30 V	30 V	40 V	40 V
Supplier Device Package	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)
Power Dissipation (Max)	700mW (Ta)	1.25W (Ta), 1.66W (Tc)	1.25W (Ta), 2.1W (Tc)	1.25W (Ta), 2.1W (Tc)
FET Feature	-	-	-	-
Series	TrenchFET®	TrenchFET®	-	TrenchFET®
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Base Product Number	SI2316	SI2316	-	SI2318

SI2316DS-T1-E3 Datasheet PDF

Download SI2316DS-T1-E3 pdf datasheets and Vishay Siliconix documentation for SI2316DS-T1-E3 - Vishay Siliconix.

Datasheets

[SI2316DS.pdf](#)



















PCN Assembly/Origin

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

Environmental Information

Customers Also Interested in

Recommended Products

					
SI2316BDS-T1-E3 Vishay Siliconix MOSFET N-CH 30V 4.5A SOT23-3	SI2317DS-T1-E3 Electro-Films (EFI) / Vishay	SI2316BDS Electro-Films (EFI) / Vishay	SI2315DS-T1-E3 Electro-Films (EFI) / Vishay	SI2318CDS-T1-BE3 Vishay Siliconix N-CHANNEL 40-V (D-S) MOSFET	SI2316-DS Electro-Films (EFI) / Vishay
					
SI2315DS-T1-GE3 Electro-Films (EFI) / Vishay	SI2315DS SIPUSEMI	SI2318CDS-T1-GE3 Vishay Siliconix MOSFET N-CH 40V 5.6A SOT23-3	SI2318A-TP Micro Commercial Co MOSFET N-CH SOT23-3	SI2316DS-T1-GE3 Vishay Siliconix MOSFET N-CH 30V 2.9A SOT23-3	SI2315DS-T1 Electro-Films (EFI) / Vishay
					
SI2316DS-T1-GE3 MOS Electro-Films (EFI) / Vishay	SI2318BDS-T1-E3 Electro-Films (EFI) / Vishay	SI2315DS-TEZ Electro-Films (EFI) / Vishay	SI2316DS-T1-E3 MOS Electro-Films (EFI) / Vishay	SI2316BDS-T1-GE3 Vishay Siliconix MOSFET N-CH 30V 4.5A SOT23-3	SI2315DS-TI-E3 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 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

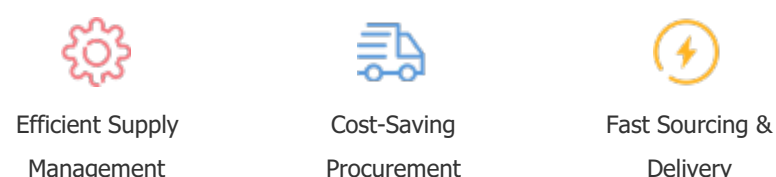
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

Payment Support

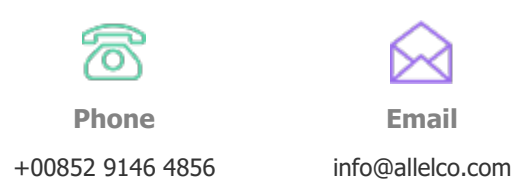
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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