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See specifications for product details.



SI2318DS-T1-E3

Manufacturer Part Number	SI2318DS-T1-E3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SI2318DS-T1-E3
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 40V 3A SOT23-3
Package	TO-236-3, SC-59, SOT-23-3
Data sheet	SI2318DS-T1-E3.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

SI2318DS-T1-E3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI2318DS-T1-E3 datasheet/specifications on AllelcoElec.com. Request a quote for SI2318DS-T1-E3, please send us email: info@allelco.com

Specifications

SI2318DS-T1-E3 Tech Specifications
SI2318DS-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	3V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	540 pF @ 20 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	15 nC @ 10 V
Supplier Device Package	SOT-23-3 (TO-236)	FET Type	N-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	45mOhm @ 3.9A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	750mW (Ta)	Drain to Source Voltage (Vdss)	40 V
Package / Case	TO-236-3, SC-59, SOT-23-3	Current - Continuous Drain (Id) @ 25°C	3A (Ta)
Package	Tape & Reel (TR)	Base Product Number	SI2318

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI2318DS-T1-E3

Product Attribute				
Part Number	SI2318DS-T1-E3	SI2318A-TP	SI2318CDS-T1-GE3	SI2319CDS-T1-GE3
Manufacturer	Vishay Siliconix	Micro Commercial Co	Vishay Siliconix	Vishay Siliconix
Base Product Number	SI2318	SI2318	SI2318	SI2319
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Power Dissipation (Max)	750mW (Ta)	1.2W	1.25W (Ta), 2.1W (Tc)	1.25W (Ta), 2.5W (Tc)
Current - Continuous Drain (Id) @ 25°C	3A (Ta)	5A (Ta)	5.6A (Tc)	4.4A (Tc)
Supplier Device Package	SOT-23-3 (TO-236)	SOT-23	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
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
Input Capacitance (Ciss) (Max) @ Vds	540 pF @ 20 V	330 pF @ 20 V	340 pF @ 20 V	595 pF @ 20 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
FET Type	N-Channel	N-Channel	N-Channel	P-Channel
Vgs(th) (Max) @ Id	3V @ 250µA	1.8V @ 250µA	2.5V @ 250µA	2.5V @ 250µA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Rds On (Max) @ Id, Vgs	45mOhm @ 3.9A, 10V	45mOhm @ 5A, 10V	42mOhm @ 4.3A, 10V	77mOhm @ 3.1A, 10V
Series	TrenchFET®	-	TrenchFET®	TrenchFET®
Drain to Source Voltage (Vdss)	40 V	40 V	40 V	40 V
FET Feature	-	-	-	-
Vgs (Max)	±20V	±20V	±20V	±20V
Gate Charge (Qg) (Max) @ Vgs	15 nC @ 10 V	5.4 nC @ 10 V	9 nC @ 10 V	21 nC @ 10 V

SI2318DS-T1-E3 Datasheet PDF

Download SI2318DS-T1-E3 pdf datasheets and Vishay Siliconix documentation for SI2318DS-T1-E3 - Vishay Siliconix.

PCN Assembly/Origin

New Solder Plating Site 18/Apr/2023.pdf

Environmental Information

Material Compliance.pdf

Customers Also Interested in

Recommended Products

 SI2318DS-TI-E3 Electro-Films (EFI) / Vishay	 SI2318A-TP Micro Commercial Co MOSFET N-CH SOT23-3	 SI2318CDS-T1-GE3 Vishay Siliconix MOSFET N-CH 40V 5.6A SOT23-3	 SI2319CDS-T1-GE3 Vishay Siliconix MOSFET P-CH 40V 4.4A SOT23-3	 SI2318BDS-T1-GE3 Electro-Films (EFI) / Vishay	 SI2317DS-T1-E3 Electro-Films (EFI) / Vishay
 SI2318CDS-T1-BE3 Vishay Siliconix N-CHANNEL 40-V (D-S) MOSFET	 SI2318DS-TI-ES MI	 SI2318DS-T1-GE3 Vishay Siliconix MOSFET N-CH 40V 3A SOT23-3	 SI2316DS-T1-GE3 MOS Electro-Films (EFI) / Vishay	 SI2319C95TF	 SI2319CDS-T1-E3 Electro-Films (EFI) / Vishay
 SI2316DS-T1-GE3 Vishay Siliconix MOSFET N-CH 30V 2.9A SOT23-3	 SI2318CDS-T1-E3 Electro-Films (EFI) / Vishay	 SI2318DS Electro-Films (EFI) / Vishay	 SI2318DS-T1-GE3 MOS Electro-Films (EFI) / Vishay	 SI2319ADS-T1-GE3 Electro-Films (EFI) / Vishay	 SI2318BDS-T1-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 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

Contact us if you have any questions.

-  Phone
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-  Email
info@allelco.com

Certifications & Memberships



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