

Image may be representation.  
See specifications for product details.



## SI2304BDS-T1-E3

Manufacturer Part Number	<a href="#">SI2304BDS-T1-E3</a>
Manufacturer	<a href="#">Vishay / Siliconix</a>
Allelco Part Number	32D-SI2304BDS-T1-E3
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 30V 2.6A SOT23-3
Package	TO-236-3, SC-59, SOT-23-3
Data sheet	<a href="#">Si2304BDS.pdf</a>
RoHs Status	ROHS3 Compliant

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SI2304BDS-T1-E3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI2304BDS-T1-E3 datasheet/specifications on AllelcoElec.com. Request a quote for SI2304BDS-T1-E3, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

SI2304BDS-T1-E3 Tech Specifications  
SI2304BDS-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	225 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	4 nC @ 5 V
Supplier Device Package	SOT-23-3 (TO-236)	FET Type	N-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	70mOhm @ 2.5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	750mW (Ta)	Drain to Source Voltage (Vdss)	30 V
Package / Case	TO-236-3, SC-59, SOT-23-3	Current - Continuous Drain (Id) @ 25°C	2.6A (Ta)
Package	Tape & Reel (TR)	Base Product Number	SI2304

### Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI2304BDS-T1-E3

Product Attribute				
Part Number	SI2304BDS-T1-E3	SI2304DDS-T1-GE3	SI2304-TP	SI2304BDS-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Micro Commercial Co	Vishay Siliconix
Vgs(th) (Max) @ Id	3V @ 250µA	2.2V @ 250µA	3V @ 250µA	3V @ 250µA
Supplier Device Package	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)	SOT-23	SOT-23-3 (TO-236)
Gate Charge (Qg) (Max) @ Vgs	4 nC @ 5 V	6.7 nC @ 10 V	10 nC @ 10 V	4 nC @ 5 V
Drain to Source Voltage (Vdss)	30 V	30 V	30 V	30 V
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
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	10V	4.5V, 10V
Base Product Number	SI2304	SI2304	SI2304	SI2304
Series	TrenchFET®	TrenchFET®	-	TrenchFET®
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Rds On (Max) @ Id, Vgs	70mOhm @ 2.5A, 10V	60mOhm @ 3.2A, 10V	90mOhm @ 2.2A, 4.5V	70mOhm @ 2.5A, 10V
Current - Continuous Drain (Id) @ 25°C	2.6A (Ta)	3.3A (Ta), 3.6A (Tc)	2.5A (Ta)	2.6A (Ta)
Power Dissipation (Max)	750mW (Ta)	1.1W (Ta), 1.7W (Tc)	250mW (Ta)	750mW (Ta)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Feature	-	-	-	-
Vgs (Max)	±20V	±20V	±20V	±20V
Input Capacitance (Ciss) (Max) @ Vds	225 pF @ 15 V	235 pF @ 15 V	240 pF @ 15 V	225 pF @ 15 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)

### SI2304BDS-T1-E3 Datasheet PDF

Download SI2304BDS-T1-E3 pdf datasheets and Vishay Siliconix documentation for SI2304BDS-T1-E3 - Vishay Siliconix.

#### Datasheets

[Si2304BDS.pdf](#)



















#### PCN Assembly/Origin

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

#### Environmental Information

## Customers Also Interested in

### Recommended Products

					
<b>SI2304DDS-T1-GE3 MOS</b> Electro-Films (EFI) / Vishay	<b>SI2303DL-T1-E3</b> Electro-Films (EFI) / Vishay	<b>SI2304BDS-T7-E3</b> Electro-Films (EFI) / Vishay	<b>SI2303DS-T1</b> Electro-Films (EFI) / Vishay	<b>SI2304BDS-TI-E3</b> Electro-Films (EFI) / Vishay	<b>SI2304DDS-T1-GE3</b> Vishay Siliconix MOSFET N-CH 30V 3.3A/3.6A SOT23
					
<b>SI2303DS/BDS/CDS</b> Electro-Films (EFI) / Vishay	<b>SI2304DS</b> SIPUSEMI	<b>SI2304-TP</b> Micro Commercial Co MOSFET N-CH 30V 2.5A SOT23	<b>SI2304/KF2304</b> KEFAN	<b>SI2304CDS-T1-GE3</b> Electro-Films (EFI) / Vishay	<b>SI2303DS-T1-E3</b> Electro-Films (EFI) / Vishay
					
<b>SI2304BDS</b> Electro-Films (EFI) / Vishay	<b>SI2303DS-T1-GE3</b> Electro-Films (EFI) / Vishay	<b>SI2304</b> Electro-Films (EFI) / Vishay	<b>SI2304BDS-T1-GE3</b> Vishay Siliconix MOSFET N-CH 30V 2.6A SOT23-3	<b>SI2304CDS-T1-E3</b> Electro-Films (EFI) / Vishay	<b>SI2303DS</b> 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 -

		
Efficient Supply Management	Cost-Saving Procurement	Fast Sourcing & Delivery

Contact us if you have any questions.

	
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### Certifications & Memberships



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