

Image may be representation.  
See specifications for product details.



## SI4463CDY-T1-GE3

Manufacturer Part Number	<b>SI4463CDY-T1-GE3</b>
Manufacturer	<b>Vishay / Siliconix</b>
Allelco Part Number	32D-SI4463CDY-T1-GE3
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET P-CH 20V 13.6A/49A 8SO
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	<b>SI4463CDY.pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

SI4463CDY-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI4463CDY-T1-GE3 datasheet/specifications on AllelcoElec.com. Request a quote for SI4463CDY-T1-GE3, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

SI4463CDY-T1-GE3 Tech Specifications  
SI4463CDY-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	1.4V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±12V	Input Capacitance (Ciss) (Max) @ Vds	4250 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	162 nC @ 10 V
Supplier Device Package	8-SOIC	FET Type	P-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	8mOhm @ 13A, 10V	Drive Voltage (Max Rds On, Min Rds On)	2.5V, 10V
Power Dissipation (Max)	2.7W (Ta), 5W (Tc)	Drain to Source Voltage (Vdss)	20 V
Package / Case	8-SOIC (0.154", 3.90mm Width)	Current - Continuous Drain (Id) @ 25°C	13.6A (Ta), 49A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SI4463

### Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI4463CDY-T1-GE3

Product Attribute				
Part Number	SI4463CDY-T1-GE3	SI4463BDY-T1-GE3	SI4462DY-T1-GE3	SI4462DY-T1-E3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Vgs (Max)	±12V	±12V	±20V	-
Drive Voltage (Max Rds On, Min Rds On)	2.5V, 10V	2.5V, 10V	6V, 10V	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Cut Tape (CT)
Drain to Source Voltage (Vdss)	20 V	20 V	200 V	200 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Feature	-	-	-	-
FET Type	P-Channel	P-Channel	N-Channel	N-Channel
Supplier Device Package	8-SOIC	8-SOIC	8-SOIC	8-SOIC
Gate Charge (Qg) (Max) @ Vgs	162 nC @ 10 V	56 nC @ 4.5 V	9 nC @ 10 V	9 nC @ 10 V
Base Product Number	SI4463	SI4463	SI4462	SI4462
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Rds On (Max) @ Id, Vgs	8mOhm @ 13A, 10V	11mOhm @ 13.7A, 10V	480mOhm @ 1.5A, 10V	480mOhm @ 1.5A, 10V
Input Capacitance (Ciss) (Max) @ Vds	4250 pF @ 15 V	-	-	-
Series	TrenchFET®	TrenchFET®	TrenchFET®	-
Current - Continuous Drain (Id) @ 25°C	13.6A (Ta), 49A (Tc)	9.8A (Ta)	1.15A (Ta)	1.15A (Ta)
Power Dissipation (Max)	2.7W (Ta), 5W (Tc)	1.5W (Ta)	1.3W (Ta)	-
Vgs(th) (Max) @ Id	1.4V @ 250µA	1.4V @ 250µA	4V @ 250µA	4V @ 250µA

### SI4463CDY-T1-GE3 Datasheet PDF

Download SI4463CDY-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SI4463CDY-T1-GE3 - Vishay Siliconix.

#### Datasheets



SI4463CDY.pdf

#### PCN Assembly/Origin

New Solder Plating Site 18/Apr/2023.pdf

## Customers Also Interested in

### Recommended Products

 <b>SI4463DY-T1-GE3</b> Electro-Films (EFI) / Vishay	 <b>SI4464-B1B-FMR</b> Silicon Labs IC RF TXRX+MCU ISM<1GHZ 20VFQFN	 <b>SI4463BDY-T1-GE3</b> Vishay Siliconix MOSFET P-CH 20V 9.8A 8SO	 <b>SI4462DY-T1-GE3</b> Vishay Siliconix MOSFET N-CH 200V 1.15A 8SO	 <b>SI4463DY-T1</b> Fairchild (onsemi)	 <b>SI4464DY</b> Electro-Films (EFI) / Vishay
 <b>SI4463-C2A-GM</b> Silicon Labs IC RF TXRX+MCU ISM<1GHZ 20VFQFN	 <b>SI4462DY-T1-E3</b> Vishay Siliconix MOSFET N-CH 200V 1.15A 8-SOIC	 <b>SI4463BDY</b> SI	 <b>SI4464DY-T1-E3</b> Vishay Siliconix MOSFET N-CH 200V 1.7A 8SO	 <b>SI4463-C2A-GMR</b> Silicon Labs IC RF TXRX+MCU ISM<1GHZ 20VFQFN	 <b>SI4463ADY-T1-GE3</b> Electro-Films (EFI) / Vishay
 <b>SI4463-B0A-FMR</b> Silicon Power	 <b>SI4464-B1B-FM</b> Silicon Labs IC RF TXRX+MCU ISM<1GHZ 20VFQFN	 <b>SI4463-B1B-FMR</b> Silicon Labs IC RF TXRX+MCU ISM<1GHZ 20VFQFN	 <b>SI4463DY</b> Fairchild Semiconductor P-CHANNEL MOSFET	 <b>SI4463DY-T1-E3</b> Electro-Films (EFI) / Vishay	 <b>SI4463BDY-T1-E3</b> Vishay Siliconix MOSFET P-CH 20V 9.8A 8SO

## 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  
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### Certifications & Memberships



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### Contact us

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