

Image may be representation.  
See specifications for product details.



## SI3424CDV-T1-GE3

Manufacturer Part Number	<b>SI3424CDV-T1-GE3</b>
Manufacturer	<b>Vishay / Siliconix</b>
Allelco Part Number	32D-SI3424CDV-T1-GE3
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	<b>MOSFET N-CH 30V 8A 6TSOP</b>
Package	<b>SOT-23-6 Thin, TSOT-23-6</b>
Data sheet	<b>SI3424CDV.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

SI3424CDV-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI3424CDV-T1-GE3 datasheet/specifications on AllelcoElec.com.  
Request a quote for SI3424CDV-T1-GE3, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

SI3424CDV-T1-GE3 Tech Specifications  
SI3424CDV-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	2.5V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	405 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	12.5 nC @ 10 V
Supplier Device Package	6-TSOP	FET Type	N-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	26mOhm @ 7.2A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	3.6W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	SOT-23-6 Thin, TSOT-23-6	Current - Continuous Drain (Id) @ 25°C	8A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SI3424

### Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI3424CDV-T1-GE3

Product Attribute				
Part Number	SI3424CDV-T1-GE3	SI3430DV-T1-E3	SI3430DV-T1-GE3	SI3429EDV-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
FET Type	N-Channel	N-Channel	N-Channel	P-Channel
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Input Capacitance (Ciss) (Max) @ Vds	405 pF @ 15 V	-	-	4085 pF @ 50 V
Drain to Source Voltage (Vdss)	30 V	100 V	100 V	20 V
Vgs (Max)	±20V	±20V	±20V	±8V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Series	TrenchFET®	-	-	TrenchFET®
Vgs(th) (Max) @ Id	2.5V @ 250µA	2V @ 250µA (Min)	2V @ 250µA (Min)	1V @ 250µA
Supplier Device Package	6-TSOP	6-TSOP	6-TSOP	6-TSOP
FET Feature	-	-	-	-
Rds On (Max) @ Id, Vgs	26mOhm @ 7.2A, 10V	170mOhm @ 2.4A, 10V	170mOhm @ 2.4A, 10V	21mOhm @ 4A, 4.5V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Power Dissipation (Max)	3.6W (Tc)	1.14W (Ta)	1.14W (Ta)	4.2W (Tc)
Current - Continuous Drain (Id) @ 25°C	8A (Tc)	1.8A (Ta)	1.8A (Ta)	8A (Ta), 8A (Tc)
Package / Case	SOT-23-6 Thin, TSOT-23-6	SOT-23-6 Thin, TSOT-23-6	SOT-23-6 Thin, TSOT-23-6	SOT-23-6 Thin, TSOT-23-6
Gate Charge (Qg) (Max) @ Vgs	12.5 nC @ 10 V	6.6 nC @ 10 V	6.6 nC @ 10 V	118 nC @ 10 V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	6V, 10V	6V, 10V	1.8V, 4.5V
Base Product Number	SI3424	SI3430	SI3430	SI3429

### SI3424CDV-T1-GE3 Datasheet PDF

Download SI3424CDV-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SI3424CDV-T1-GE3 - Vishay Siliconix.

#### Datasheets


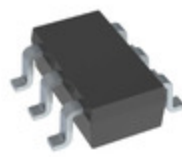


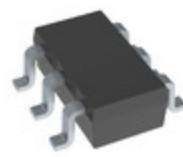





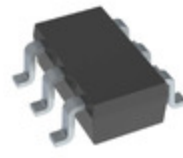






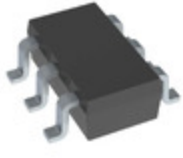
[SI3424CDV.pdf](#)

#### PCN Assembly/Origin

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

## Customers Also Interested in

### Recommended Products

 <b>SI3424BDV</b> Electro-Films (EFI) / Vishay	 <b>SI3430DV-T1-E3</b> Vishay Siliconix MOSFET N-CH 100V 1.8A 6TSOP	 <b>SI3425DV</b> Electro-Films (EFI) / Vishay	 <b>SI3422DV</b> Electro-Films (EFI) / Vishay	 <b>SI3430DV-T1-GE3</b> Vishay Siliconix MOSFET N-CH 100V 1.8A 6TSOP	 <b>SI3429EDV-T1-GE3</b> Vishay Siliconix MOSFET P-CH 20V 8A/8A 6TSOP
 <b>SI3421DV-T1-GE3</b> Vishay Siliconix MOSFET P-CH 30V 8A 6TSOP	 <b>SI3421DV-T1-GE3 MOS</b> Electro-Films (EFI) / Vishay	 <b>SI3424DV-T1</b> Electro-Films (EFI) / Vishay	 <b>SI3424DV-T1-E3</b> Vishay Siliconix MOSFET N-CH 30V 5A 6-TSOP	 <b>SI3424DV-T1-GE3</b> Vishay Siliconix MOSFET N-CH 30V 5A 6TSOP	 <b>SI3422DV-T1</b> Electro-Films (EFI) / Vishay
 <b>SI3422DV-T1-GE3</b> Electro-Films (EFI) / Vishay	 <b>SI3420DV-T1-GE3</b> Electro-Films (EFI) / Vishay	 <b>SI3424CDV-T1-E3</b> Electro-Films (EFI) / Vishay	 <b>SI3424CDV-T1-GE3 MOS</b> Electro-Films (EFI) / Vishay	 <b>SI3424BDV-T1-GE3</b> Vishay Siliconix MOSFET N-CH 30V 8A 6TSOP	 <b>SI3424BDV-T1-E3</b> Vishay Siliconix MOSFET N-CH 30V 8A 6TSOP

## 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.



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-  Fast Sourcing & Delivery

Contact us if you have any questions.

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### Certifications & Memberships



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