



Image may be representation.  
See specifications for product details.



## SI8425DB-T1-E1

Manufacturer Part Number	<a href="#">SI8425DB-T1-E1</a>
Manufacturer	<a href="#">Vishay / Siliconix</a>
Allelco Part Number	32D-SI8425DB-T1-E1
ECAD Model	<a href="#">Request Free CAD Models</a>
Parts Description	MOSFET P-CH 20V 4WLCSP
Package	4-UFBGA, WLCSP
Data sheet	<a href="#">SI8425DB.pdf</a>
RoHs Status	<b>ROHS3 Compliant</b>

[Get a Quote](#)

SI8425DB-T1-E1 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI8425DB-T1-E1 datasheet/specifications on AllelcoElec.com.  
Request a quote for SI8425DB-T1-E1, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

SI8425DB-T1-E1 Tech Specifications  
SI8425DB-T1-E1 - 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	900mV @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±10V	Input Capacitance (Ciss) (Max) @ Vds	2800 pF @ 10 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	110 nC @ 10 V
Supplier Device Package	4-WLCSP (1.6x1.6)	FET Type	P-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	23mOhm @ 2A, 4.5V	Drive Voltage (Max Rds On, Min Rds On)	1.8V, 4.5V
Power Dissipation (Max)	1.1W (Ta), 2.7W (Tc)	Drain to Source Voltage (Vdss)	20 V
Package / Case	4-UFBGA, WLCSP	Current - Continuous Drain (Id) @ 25°C	5.9A (Ta)
Package	Tape & Reel (TR)	Base Product Number	SI8425

### Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI8425DB-T1-E1

Product Attribute				
Part Number	SI8425DB-T1-E1	<a href="#">SI8429DB-T1-E1</a>	<a href="#">SI8424CDB-T1-E1</a>	<a href="#">SI8424DB-T1-E1</a>
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
FET Feature	-	-	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Current - Continuous Drain (Id) @ 25°C	5.9A (Ta)	11.7A (Tc)	6.3A (Ta)	12.2A (Tc)
Vgs (Max)	±10V	±5V	±5V	±5V
Rds On (Max) @ Id, Vgs	23mOhm @ 2A, 4.5V	35mOhm @ 1A, 4.5V	20mOhm @ 2A, 4.5V	31mOhm @ 1A, 4.5V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	4-UFBGA, WLCSP	4-XFBGA, CSPBGA	4-UFBGA, WLCSP	4-XFBGA, CSPBGA
Vgs(th) (Max) @ Id	900mV @ 250µA	800mV @ 250µA	800mV @ 250µA	1V @ 250µA
FET Type	P-Channel	P-Channel	N-Channel	N-Channel
Supplier Device Package	4-WLCSP (1.6x1.6)	4-Microfoot	4-Microfoot	4-Microfoot
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	20 V	8 V	8 V	8 V
Power Dissipation (Max)	1.1W (Ta), 2.7W (Tc)	2.77W (Ta), 6.25W (Tc)	1.1W (Ta), 2.7W (Tc)	2.78W (Ta), 6.25W (Tc)
Series	TrenchFET®	TrenchFET®	TrenchFET®	TrenchFET®
Input Capacitance (Ciss) (Max) @ Vds	2800 pF @ 10 V	1640 pF @ 4 V	2340 pF @ 4 V	1950 pF @ 4 V
Base Product Number	SI8425	SI8429	SI8424	SI8424
Gate Charge (Qg) (Max) @ Vgs	110 nC @ 10 V	26 nC @ 5 V	40 nC @ 4.5 V	33 nC @ 5 V
Drive Voltage (Max Rds On, Min Rds On)	1.8V, 4.5V	1.2V, 4.5V	1.2V, 4.5V	1.2V, 4.5V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)

### SI8425DB-T1-E1 Datasheet PDF

Download SI8425DB-T1-E1 pdf datasheets and Vishay Siliconix documentation for SI8425DB-T1-E1 - Vishay Siliconix.

#### Datasheets












[SI8425DB.pdf](#)

#### Environmental Information

[Material Compliance.pdf](#)

## Customers Also Interested in

### Recommended Products

					
<b>SI8430AB-D-IS</b> Skyworks Solutions Inc. DGTL ISO 2500VRMS 3CH GP 16SOIC	<b>SI8429DB-T1-E1</b> Vishay Siliconix MOSFET P-CH 8V 11.7A 4MICROFOOT	<b>SI8423AD-D-YS0R</b> Silicon Power	<b>SI8430BB-D-ISR</b> Skyworks Solutions Inc. DGTL ISO 2500VRMS 3CH GP 16SOIC	<b>SI8423BB-D-ISR</b> Skyworks Solutions Inc. DGTL ISO 2500VRMS 2CH GP 8SOIC	<b>SI8423AB-D-ISR</b> Skyworks Solutions Inc. DGTL ISO 2500VRMS 2CH GP 8SOIC
					
<b>SI8431-A</b> Silicon Power	<b>SI8430AB-D-ISR</b> Skyworks Solutions Inc. DGTL ISO 2500VRMS 3CH GP 16SOIC	<b>SI8424CDB-T1-E1</b> Vishay Siliconix MOSFET N-CH 8V 4MICROFOOT	<b>SI8423BD-B-ISR</b> Skyworks Solutions Inc. DGTL ISO 5000VRMS 2CH GP 16SOIC	<b>SI8425DB-T1-E1 MOS</b> Electro-Films (EFI) / Vishay	<b>SI8423AB-D-ISR</b> Skyworks Solutions Inc. DGTL ISO 2500VRMS 2CH GP 8SOIC
					
<b>SI8423BB-D-IS</b> Skyworks Solutions Inc. DGTL ISO 2500VRMS 2CH GP 8SOIC	<b>SI8424DB-T1-E1</b> Vishay Siliconix MOSFET N-CH 8V 12.2A 4MICROFOOT	<b>SI8430BB-D-IS</b> Skyworks Solutions Inc. DGTL ISO 2500VRMS 3CH GP 16SOIC	<b>SI8430AB-D-IS1</b> Skyworks Solutions Inc. DGTL ISO 2500VRMS 3CH GP 16SOIC	<b>SI8431-B-IS</b> Skyworks Solutions Inc. DGTL ISO 2500VRMS 3CH GP 16SOIC	<b>SI8431-A-IS</b> Skyworks Solutions Inc. DGTL ISO 2500VRMS 3CH GP 16SOIC

## 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  
+00852 9146 4856
-  Email  
info@allelco.com

### Certifications & Memberships



[View More](#)

### Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong  
Phone: +00852 9146 4856  
Fax: +00852 3010 8510  
Email: info@Allelco.com