



Image may be representation.
See specifications for product details.



SI6433BDQ-T1-E3

Manufacturer Part Number	SI6433BDQ-T1-E3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SI6433BDQ-T1-E3
ECAD Model	Request Free CAD Models
Parts Description	MOSFET P-CH 12V 4A 8TSSOP
Package	8-TSSOP (0.173", 4.40mm Width)
Data sheet	Si6433BDQ.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

SI6433BDQ-T1-E3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI6433BDQ-T1-E3 datasheet/specifications on AllelcoElec.com. Request a quote for SI6433BDQ-T1-E3, please send us email: info@allelco.com

Specifications

SI6433BDQ-T1-E3 Tech Specifications
SI6433BDQ-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	1.5V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±8V	Gate Charge (Qg) (Max) @ Vgs	15 nC @ 4.5 V
Technology	MOSFET (Metal Oxide)	FET Type	P-Channel
Supplier Device Package	8-TSSOP	FET Feature	-
Series	-	Drive Voltage (Max Rds On, Min Rds On)	2.5V, 4.5V
Rds On (Max) @ Id, Vgs	40mOhm @ 4.8A, 4.5V	Drain to Source Voltage (Vdss)	12 V
Power Dissipation (Max)	1.05W (Ta)	Current - Continuous Drain (Id) @ 25°C	4A (Ta)
Package / Case	8-TSSOP (0.173", 4.40mm Width)	Base Product Number	SI6433
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI6433BDQ-T1-E3

Product Attribute				
Part Number	SI6433BDQ-T1-E3	SI6435ADQ-T1-GE3	SI6415DQ-T1-GE3	SI6433DQ
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Fairchild Semiconductor
Supplier Device Package	8-TSSOP	8-TSSOP	8-TSSOP	8-TSSOP
Operating Temperature	-55°C ~ 150°C (TJ)	-	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Power Dissipation (Max)	1.05W (Ta)	-	1.5W (Ta)	600mW (Ta)
Series	-	TrenchFET®	TrenchFET®	PowerTrench®
Base Product Number	SI6433	SI6435	SI6415	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
FET Type	P-Channel	P-Channel	P-Channel	P-Channel
Drive Voltage (Max Rds On, Min Rds On)	2.5V, 4.5V	-	4.5V, 10V	1.8V, 4.5V
Drain to Source Voltage (Vdss)	12 V	30 V	30 V	20 V
Package	Tape & Reel (TR)	Cut Tape (CT)	Tape & Reel (TR)	Bulk
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Vgs (Max)	±8V	-	±20V	±8V
Gate Charge (Qg) (Max) @ Vgs	15 nC @ 4.5 V	20 nC @ 5 V	70 nC @ 10 V	18 nC @ 4.5 V
Vgs(th) (Max) @ Id	1.5V @ 250µA	1V @ 250µA (Min)	1V @ 250µA (Min)	1.5V @ 250µA
Package / Case	8-TSSOP (0.173", 4.40mm Width)	8-TSSOP (0.173", 4.40mm Width)	8-TSSOP (0.173", 4.40mm Width)	8-TSSOP (0.173", 4.40mm Width)
Rds On (Max) @ Id, Vgs	40mOhm @ 4.8A, 4.5V	30mOhm @ 5.5A, 10V	19mOhm @ 6.5A, 10V	47mOhm @ 4.5A, 4.5V
FET Feature	-	-	-	-
Current - Continuous Drain (Id) @ 25°C	4A (Ta)	4.7A (Ta)	6.4A (Ta)	4.5A (Ta)

SI6433BDQ-T1-E3 Datasheet PDF

Download SI6433BDQ-T1-E3 pdf datasheets and Vishay Siliconix documentation for SI6433BDQ-T1-E3 - Vishay Siliconix.

Datasheets

[Si6433BDQ.pdf](#)

Environmental Information

[Material Compliance.pdf](#)

PCN Obsolescence/ EOL



Customers Also Interested in

Recommended Products

**SI6433DQ-T1**

Electro-Films (EFI) / Vishay



NO PICTURE

SI6433DQ-T1-E3.

VIS

**SI6435ADQ-T1-GE3**Vishay Siliconix
MOSFET P-CH 30V 4.7A 8-TSSOP**SI6423DQ-T1-E3 MOS**

Electro-Films (EFI) / Vishay

**SI6433DQ-T1-E3**

Electro-Films (EFI) / Vishay

**SI6415DQ-T1-GE3**Vishay Siliconix
MOSFET P-CH 30V 6.5A 8TSSOP**SI6433DQ**Fairchild Semiconductor
P-CHANNEL MOSFET**SI6423DQ-T1-BE3**Vishay Siliconix
P-CHANNEL 12-V (D-S) MOSFET**SI6423ADQ-T1-GE3**Vishay Siliconix
MOSFET PCH 20V 10.3/12.5A
8TSSOP**SI6423DQ-T1-GE3**Vishay Siliconix
MOSFET P-CH 12V 8.2A 8TSSOP

NO PICTURE

SI6426DQ-T1

SI

**SI6433BDQ-T1-GE3**Vishay Siliconix
MOSFET P-CH 12V 4A 8TSSOP

NO PICTURE

SI6426DR

SI

**SI6435ADQ-T1-E3**Vishay Siliconix
MOSFET P-CH 30V 4.7A 8-TSSOP**SI6423DQ-T1-E3**Vishay Siliconix
MOSFET P-CH 12V 8.2A 8TSSOP**SI6434DQ-T1-E3**

Electro-Films (EFI) / Vishay

**SI6426DQ**Fairchild Semiconductor
SMALL SIGNAL N-CHANNEL MOSFET**SI6423DQ**

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
ManagementCost-Saving
ProcurementFast Sourcing &
Delivery

Contact us if you have any questions.



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Certifications & Memberships

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