

Image may be representation.
See specifications for product details.



SI6415DQ-T1-E3

Manufacturer Part Number	SI6415DQ-T1-E3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SI6415DQ-T1-E3
ECAD Model	Request Free CAD Models
Parts Description	MOSFET P-CH 30V 6.5A 8TSSOP
Package	8-TSSOP (0.173", 4.40mm Width)
Data sheet	SI6415DQ-T1-E3.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

SI6415DQ-T1-E3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI6415DQ-T1-E3 datasheet/specifications on AllelcoElec.com. Request a quote for SI6415DQ-T1-E3, please send us email: info@allelco.com

Specifications

SI6415DQ-T1-E3 Tech Specifications
SI6415DQ-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	1V @ 250µA (Min)	Mounting Type	Surface Mount
Vgs (Max)	±20V	Gate Charge (Qg) (Max) @ Vgs	70 nC @ 10 V
Technology	MOSFET (Metal Oxide)	FET Type	P-Channel
Supplier Device Package	8-TSSOP	FET Feature	-
Series	TrenchFET®	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Rds On (Max) @ Id, Vgs	19mOhm @ 6.5A, 10V	Drain to Source Voltage (Vdss)	30 V
Power Dissipation (Max)	1.5W (Ta)	Current - Continuous Drain (Id) @ 25°C	6.5A (Ta)
Package / Case	8-TSSOP (0.173", 4.40mm Width)	Base Product Number	SI6415
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI6415DQ-T1-E3

Product Attribute				
Part Number	SI6415DQ-T1-E3	SI6415DQ-T1-GE3	SI6410DQ-T1-GE3	SI6423DQ-T1-E3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Power Dissipation (Max)	1.5W (Ta)	1.5W (Ta)	1.5W (Ta)	1.05W (Ta)
Vgs(th) (Max) @ Id	1V @ 250µA (Min)	1V @ 250µA (Min)	1V @ 250µA (Min)	800mV @ 400µA
Current - Continuous Drain (Id) @ 25°C	6.5A (Ta)	6.4A (Ta)	7.8A (Ta)	8.2A (Ta)
FET Feature	-	-	-	-
Gate Charge (Qg) (Max) @ Vgs	70 nC @ 10 V	70 nC @ 10 V	33 nC @ 5 V	110 nC @ 5 V
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)	-55°C ~ 150°C (TJ)
Rds On (Max) @ Id, Vgs	19mOhm @ 6.5A, 10V	19mOhm @ 6.5A, 10V	14mOhm @ 7.8A, 10V	8.5mOhm @ 9.5A, 4.5V
Base Product Number	SI6415	SI6415	SI6410	SI6423
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	1.8V, 4.5V
Vgs (Max)	±20V	±20V	±20V	±8V
Series	TrenchFET®	TrenchFET®	TrenchFET®	TrenchFET®
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)
FET Type	P-Channel	P-Channel	N-Channel	P-Channel
Drain to Source Voltage (Vdss)	30 V	30 V	30 V	12 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

SI6415DQ-T1-E3 Datasheet PDF

Download SI6415DQ-T1-E3 pdf datasheets and Vishay Siliconix documentation for SI6415DQ-T1-E3 - Vishay Siliconix.

Environmental Information



















Material Compliance.pdf

PCN Design/Specification

Epoxy Materials 07/Jan/2022.pdf

Customers Also Interested in

Recommended Products

					
SI6415DQ-T1-GE3 Vishay Siliconix MOSFET P-CH 30V 6.5A 8TSSOP	SI6426DR SI	SI6410DQ-T1-GE3 Vishay Siliconix MOSFET N-CH 30V 8TSSOP	SI6423DQ-T1-E3 Vishay Siliconix MOSFET P-CH 12V 8.2A 8TSSOP	SI6423DQ Electro-Films (EFI) / Vishay	SI6410DQ SI
					
SI6410DQ-T1-E3 Vishay Siliconix MOSFET N-CH 30V 8TSSOP	SI6426DQ Fairchild Semiconductor SMALL SIGNAL N-CHANNEL MOSFET	SI6404DQ-T1-E3 Vishay Siliconix MOSFET N-CH 30V 8.6A 8TSSOP	SI6415DQ-T1 Electro-Films (EFI) / Vishay	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
					
SI6423DQ-T1-BE3 Vishay Siliconix P-CHANNEL 12-V (D-S) MOSFET	SI6423DQ-T1-E3 MOS Electro-Films (EFI) / Vishay	SI6413DQ-T1-E3 Vishay Siliconix MOSFET P-CH 20V 7.2A 8TSSOP	SI6415DQ SI	SI6413DQ Electro-Films (EFI) / Vishay	SI6426DQ-T1 SI

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.

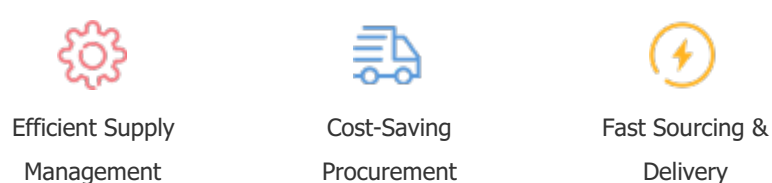
Payment Support

The payment method can be chosen from the methods shown below:

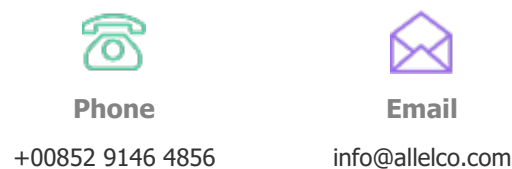
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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