





SI1416EDH-T1-GE3

Manufacturer Part Number	SI1416EDH-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SI1416EDH-T1-GE3
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 30V 3.9A SOT-363
Package	6-TSSOP, SC-88, SOT-363
Data sheet	SI1416EDH.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

SI1416EDH-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI1416EDH-T1-GE3 datasheet/specifications on AllelcoElec.com.

Request a quote for SI1416EDH-T1-GE3, please send us email: info@allelco.com

Specifications





SI1416EDH-T1-GE3 Tech Specifications

SI1416EDH-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	Gate Charge (Qg) (Max) @ Vgs	12 nC @ 10 V
Technology	MOSFET (Metal Oxide)	FET Type	N-Channel
Supplier Device Package	SC-70-6	FET Feature	-
Series	TrenchFET®	Drive Voltage (Max Rds On, Min Rds On)	2.5V, 10V
Rds On (Max) @ Id, Vgs	58mOhm @ 3.1A, 10V	Drain to Source Voltage (Vdss)	30 V
Power Dissipation (Max)	2.8W (Tc)	Current - Continuous Drain (Id) @ 25°C	3.9A (Tc)
Package / Case	6-TSSOP, SC-88, SOT-363	Base Product Number	SI1416
Package	Tape & Reel (TR)		

Parts with Similar Specifications


The three parts on the right have similar specifications to Vishay Siliconix SI1416EDH-T1-GE3

Product Attribute	 NO PICTURE			
Part Number	SI1416EDH-T1-GE3	SI1411DH-T1-GE3	SI1410EDH-T1-E3	SI1426DH-T1-E3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Drive Voltage (Max Rds On, Min Rds On)	2.5V, 10V	10V	1.8V, 4.5V	4.5V, 10V
Vgs(th) (Max) @ Id	1.4V @ 250µA	4.5V @ 100µA	450mV @ 250µA (Min)	2.5V @ 250µA
Rds On (Max) @ Id, Vgs	58mOhm @ 3.1A, 10V	2.60hm @ 500mA, 10V	70mOhm @ 3.7A, 4.5V	75mOhm @ 3.6A, 10V
Series	TrenchFET®	TrenchFET®	TrenchFET®	TrenchFET®
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Vgs (Max)	±12V	±20V	±12V	±20V
Power Dissipation (Max)	2.8W (Tc)	1W (Ta)	1W (Ta)	1W (Ta)
Base Product Number	SI1416	SI1411	SI1410	SI1426
Package / Case	6-TSSOP, SC-88, SOT-363	6-TSSOP, SC-88, SOT-363	6-TSSOP, SC-88, SOT-363	6-TSSOP, SC-88, SOT-363
Supplier Device Package	SC-70-6	SC-70-6	SC-70-6	SC-70-6
Gate Charge (Qg) (Max) @ Vgs	12 nC @ 10 V	6.3 nC @ 10 V	8 nC @ 4.5 V	3 nC @ 4.5 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Type	N-Channel	P-Channel	N-Channel	N-Channel
Drain to Source Voltage (Vdss)	30 V	150 V	20 V	30 V
Current - Continuous Drain (Id) @ 25°C	3.9A (Tc)	420mA (Ta)	2.9A (Ta)	2.8A (Ta)
FET Feature	-	-	-	-
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)


SI1416EDH-T1-GE3 Datasheet PDF

Download SI1416EDH-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SI1416EDH-T1-GE3 - Vishay Siliconix.

Datasheets




















SI1416EDH.pdf

Environmental Information


Material Compliance.pdf

Customers Also Interested in

Recommended Products

 SI1414DH-T1-E3 Electro-Films (EFI) / Vishay	 SI1411DH-T1-GE3 Vishay Siliconix MOSFET P-CH 150V 420MA SOT363	 SI1410EDH-T1-E3 Vishay Siliconix MOSFET N-CH 20V 2.9A SC70-6	 SI1407DL-T1-E3 Electro-Films (EFI) / Vishay	 SI1407DL-T1 SILICONIX	 SI1426DH-T1-E3 Vishay Siliconix MOSFET N-CH 30V 2.8A SC70-6
 SI1419DH-T1-E3 Vishay Siliconix MOSFET P-CH 200V 300MA SC70-6	 SI1407DL Electro-Films (EFI) / Vishay	 SI1410EDH-T1-GE3 VIS	 SI1413EDH Electro-Films (EFI) / Vishay	 SI1424EDH-T1-GE3 Vishay Siliconix MOSFET N-CH 20V 4A SOT-363	 SI1422DH-T1-GE3 Vishay Siliconix MOSFET N-CH 12V 4A SC70-6
 SI1417EDH-T1-E3 Vishay Siliconix MOSFET P-CH 12V 2.7A SC70-6	 SI1427EDH-T1-GE3 Vishay Siliconix MOSFET P-CH 20V 2A SC70-6	 SI1413EDH-T1-E3 Vishay Siliconix MOSFET P-CH 20V 2.3A SC70-6	 SI1413EDH-T1 Electro-Films (EFI) / Vishay	 SI1417DH-T1 Electro-Films (EFI) / Vishay	 SI1426DH-T1-GE3 Vishay Siliconix MOSFET N-CH 30V 2.8A SC70-6

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.

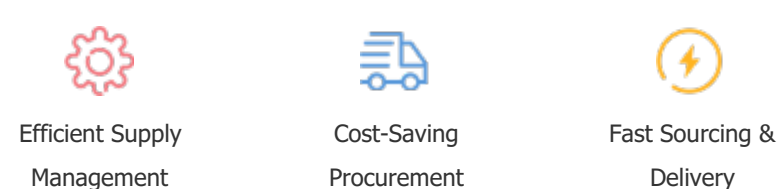
Payment Support

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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