





SI1012CR-T1-GE3

Manufacturer Part Number	SI1012CR-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SI1012CR-T1-GE3
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 20V SC75A
Package	SC-75, SOT-416
Data sheet	SI1012CR-T1-GE3.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

SI1012CR-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI1012CR-T1-GE3 datasheet/specifications on AllelcoElec.com.

Request a quote for SI1012CR-T1-GE3, please send us email: info@allelco.com

Specifications





SI1012CR-T1-GE3 Tech Specifications

SI1012CR-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	1V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±8V	Input Capacitance (Ciss) (Max) @ Vds	43 pF @ 10 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	2 nC @ 8 V
Supplier Device Package	SC-75A	FET Type	N-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	396mOhm @ 600mA, 4.5V	Drive Voltage (Max Rds On, Min Rds On)	1.5V, 4.5V
Power Dissipation (Max)	240mW (Ta)	Drain to Source Voltage (Vdss)	20 V
Package / Case	SC-75, SOT-416	Current - Continuous Drain (Id) @ 25°C	630mA (Ta)
Package	Tape & Reel (TR)	Base Product Number	SI1012

Parts with Similar Specifications

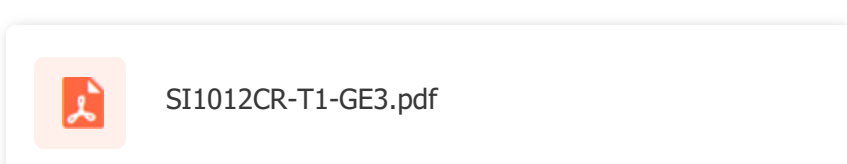
The three parts on the right have similar specifications to Vishay Siliconix SI1012CR-T1-GE3

Product Attribute	 NO PICTURE			
Part Number	SI1012CR-T1-GE3	SI1012X-T1-GE3	SI1012R-T1-GE3	SI1012X-T1-E3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Power Dissipation (Max)	240mW (Ta)	250mW (Ta)	150mW (Ta)	250mW (Ta)
Series	TrenchFET®	TrenchFET®	TrenchFET®	TrenchFET®
Input Capacitance (Ciss) (Max) @ Vds	43 pF @ 10 V	-	-	-
Base Product Number	SI1012	SI1012	SI1012	SI1012
Vgs(th) (Max) @ Id	1V @ 250µA	900mV @ 250µA	900mV @ 250µA	900mV @ 250µA
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Vgs (Max)	±8V	±6V	±6V	±6V
Package / Case	SC-75, SOT-416	SC-89, SOT-490	SC-75, SOT-416	SC-89, SOT-490
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)
Rds On (Max) @ Id, Vgs	396mOhm @ 600mA, 4.5V	700mOhm @ 600mA, 4.5V	700mOhm @ 600mA, 4.5V	700mOhm @ 600mA, 4.5V
Drive Voltage (Max Rds On, Min Rds On)	1.5V, 4.5V	1.8V, 4.5V	1.8V, 4.5V	1.8V, 4.5V
Supplier Device Package	SC-75A	SC-89-3	SC-75A	SC-89-3
Drain to Source Voltage (Vdss)	20 V	20 V	20 V	20 V
Gate Charge (Qg) (Max) @ Vgs	2 nC @ 8 V	0.75 nC @ 4.5 V	0.75 nC @ 4.5 V	0.75 nC @ 4.5 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Current - Continuous Drain (Id) @ 25°C	630mA (Ta)	500mA (Ta)	500mA (Ta)	500mA (Ta)
FET Feature	-	-	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)

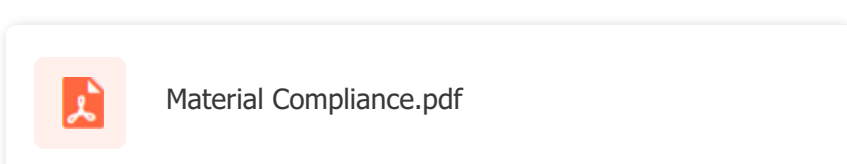
SI1012CR-T1-GE3 Datasheet PDF

Download SI1012CR-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SI1012CR-T1-GE3 - Vishay Siliconix.

Datasheets



Environmental Information

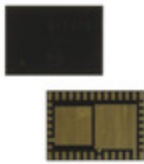


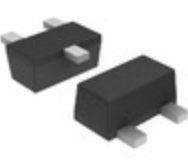
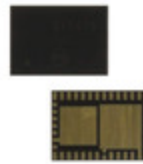




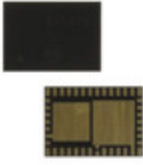

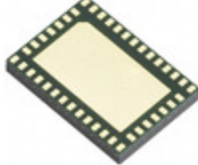
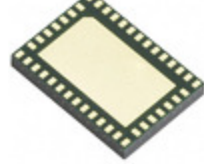
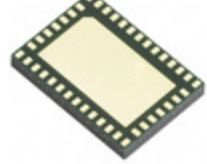


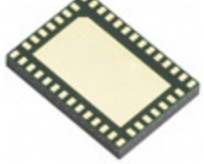



PCN Design/Specification



Customers Also Interested in

Recommended Products

 SI1003-C-GM Silicon Labs IC RF TXRX+MCU ISM<1GHZ 42WFQFN	 SI1002-C-GMR Silicon Power Silicon Power	 SI1003-C-GMR Silicon Power Silicon Power	 SI1012X-T1-GE3 Vishay Siliconix MOSFET N-CH 20V 500MA SC89-3	 SI1013-A-GMR Silicon Labs IC RF TXRX+MCU ISM<1GHZ 42WFQFN	 SI1012R-T1-GE3 Vishay Siliconix MOSFET N-CH 20V 500MA SC75A
 SI1012R-TI-GE3 Electro-Films (EFI) / Vishay	 SI1008V HIT	 SI1012X-T1-E3 Vishay Siliconix MOSFET N-CH 20V 500MA SC89-3	 SI1004-C-GM Silicon Labs IC RF TXRX+MCU ISM<1GHZ 42WFQFN	 SI1012X Semitehelec	 SI1003-E-GM2 Silicon Labs IC RF TXRX+MCU ISM<1GHZ 42VFLGA
 SI1001-E-GM2 Silicon Labs IC RF TXRX+MCU ISM<1GHZ 42VFLGA	 SI1012-C-GM2 Silicon Labs IC RF TXRX+MCU ISM<1GHZ 42VFLGA	 SI1002R-T1-GE3 Vishay Siliconix MOSFET N-CH 30V 610MA SC75A	 SI1012R-T1 Electro-Films (EFI) / Vishay	 SI1010-C-GM2R Silicon Labs IC RF TXRX+MCU ISM<1GHZ 42VFLGA	 SI1012R-T1-E3 Vishay Siliconix MOSFET N-CH 20V 500MA SC75A

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.

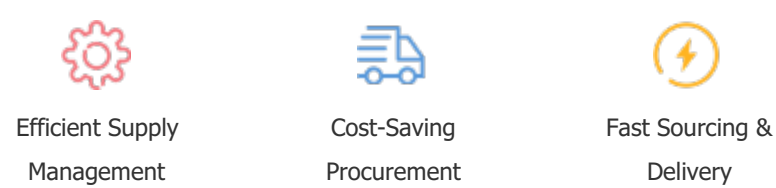
Payment Support

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

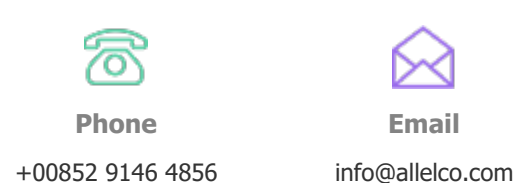
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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