

Image may be representation.  
See specifications for product details.



## SI4102DY-T1-GE3

Manufacturer Part Number	<b>SI4102DY-T1-GE3</b>
Manufacturer	<b>Vishay / Siliconix</b>
Allelco Part Number	32D-SI4102DY-T1-GE3
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 100V 3.8A 8SO
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	<b>SI4102DY.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

SI4102DY-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI4102DY-T1-GE3 datasheet/specifications on AllelcoElec.com. Request a quote for SI4102DY-T1-GE3, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

SI4102DY-T1-GE3 Tech Specifications

SI4102DY-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	4V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	370 pF @ 50 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	11 nC @ 10 V
Supplier Device Package	8-SOIC	FET Type	N-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	158mOhm @ 2.7A, 10V	Drive Voltage (Max Rds On, Min Rds On)	6V, 10V
Power Dissipation (Max)	2.4W (Ta), 4.8W (Tc)	Drain to Source Voltage (Vdss)	100 V
Package / Case	8-SOIC (0.154", 3.90mm Width)	Current - Continuous Drain (Id) @ 25°C	3.8A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SI4102

### Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI4102DY-T1-GE3

Product Attribute				
Part Number	SI4102DY-T1-GE3	SI4103DY-T1-GE3	SI4104DY-T1-GE3	SI4090DY-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Drain to Source Voltage (Vdss)	100 V	30 V	100 V	100 V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Drive Voltage (Max Rds On, Min Rds On)	6V, 10V	4.5V, 10V	10V	6V, 10V
Vgs (Max)	±20V	±20V	±20V	±20V
Series	TrenchFET®	TrenchFET® Gen III	TrenchFET®	TrenchFET®
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
FET Type	N-Channel	P-Channel	N-Channel	N-Channel
Gate Charge (Qg) (Max) @ Vgs	11 nC @ 10 V	140 nC @ 10 V	13 nC @ 10 V	69 nC @ 10 V
Input Capacitance (Ciss) (Max) @ Vds	370 pF @ 50 V	5200 pF @ 15 V	446 pF @ 50 V	2410 pF @ 50 V
Vgs(th) (Max) @ Id	4V @ 250µA	2V @ 250µA	4.5V @ 250µA	3.3V @ 250µA
Base Product Number	SI4102	SI4103	SI4104	SI4090
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)
Power Dissipation (Max)	2.4W (Ta), 4.8W (Tc)	2.5W (Ta), 5.2W (Tc)	2.5W (Ta), 5W (Tc)	3.5W (Ta), 7.8W (Tc)
Supplier Device Package	8-SOIC	8-SO	8-SOIC	8-SOIC
FET Feature	-	-	-	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Current - Continuous Drain (Id) @ 25°C	3.8A (Tc)	14A (Ta), 16A (Tc)	4.6A (Tc)	19.7A (Tc)
Rds On (Max) @ Id, Vgs	158mOhm @ 2.7A, 10V	7.9mOhm @ 10A, 10V	105mOhm @ 5A, 10V	10mOhm @ 15A, 10V

### SI4102DY-T1-GE3 Datasheet PDF

Download SI4102DY-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SI4102DY-T1-GE3 - Vishay Siliconix.

#### Datasheets



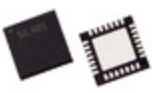



[SI4102DY.pdf](#)

#### PCN Obsolescence/ EOL

[Mult Mosfet EOL 30/Aug/2018.pdf](#)

## Customers Also Interested in

### Recommended Products

 <b>SI4108DY-T1-E3</b> Electro-Films (EFI) / Vishay	 <b>SI4103DY-T1-GE3</b> Vishay Siliconix MOSFET P-CH 30V 14A/16A 8SO	 <b>SI4104DY-T1-GE3</b> Vishay Siliconix MOSFET N-CH 100V 4.6A 8SO	 <b>SI4100DY</b> SI	 <b>SI4090DY-T1-GE3</b> Vishay Siliconix MOSFET N-CH 100V 19.7A 8SO	 <b>SI4102DY-T1-E3</b> Vishay Siliconix MOSFET N-CH 100V 3.8A 8SO
 <b>SI4112-D-GM</b> Skyworks Solutions Inc. IC FREQ SYNTH 28QFN	 <b>SI4104DY-T1-E3</b> Vishay Siliconix MOSFET N-CH 100V 4.6A 8SO	 <b>SI4100DY-T1-GE3</b> Vishay Siliconix MOSFET N-CH 100V 6.8A 8SO	 <b>SI4102DY</b> Electro-Films (EFI) / Vishay	 <b>SI4110DY-T1-GE3</b> Vishay Siliconix MOSFET N-CH 80V 17.3A 8SO	 <b>SI4108DY-T1-GE3</b> Vishay Siliconix MOSFET N-CH 75V 20.5A 8-SOIC
 <b>SI4103DY</b> Electro-Films (EFI) / Vishay	 <b>SI4100DY-T1-E3</b> Vishay Siliconix MOSFET N-CH 100V 6.8A 8SO	 <b>SI406DH-T1-E3</b> Electro-Films (EFI) / Vishay	 <b>SI4101DY-T1-GE3</b> Vishay Siliconix MOSFET P-CH 30V 25.7A 8SO	 <b>SI408-013</b> SISTEMA	 <b>SI4104DY</b> 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 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](#)