



Image may be representation.  
See specifications for product details.



## SI1077X-T1-GE3

Manufacturer Part Number	<b>SI1077X-T1-GE3</b>
Manufacturer	<b>Vishay / Siliconix</b>
Allelco Part Number	32D-SI1077X-T1-GE3
ECAD Model	Request Free CAD Models
Parts Description	MOSFET P-CH 20V SC89-6
Package	SOT-563, SOT-666
Data sheet	<b>SI1077X-T1-GE3.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

SI1077X-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI1077X-T1-GE3 datasheet/specifications on AllelcoElec.com. Request a quote for SI1077X-T1-GE3, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

SI1077X-T1-GE3 Tech Specifications

SI1077X-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	965 pF @ 10 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	31.1 nC @ 8 V
Supplier Device Package	SC-89 (SOT-563F)	FET Type	P-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	78mOhm @ 1.8A, 4.5V	Drive Voltage (Max Rds On, Min Rds On)	1.5V, 4.5V
Power Dissipation (Max)	330mW (Ta)	Drain to Source Voltage (Vdss)	20 V
Package / Case	SOT-563, SOT-666	Current - Continuous Drain (Id) @ 25°C	1.75A (Ta)
Package	Tape & Reel (TR)	Base Product Number	SI1077

### Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI1077X-T1-GE3

Product Attribute				
Part Number	SI1077X-T1-GE3	<b>SI1072X-T1-E3</b>	<b>SI1073X-T1-GE3</b>	<b>SI1072X-T1-GE3</b>
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Drain to Source Voltage (Vdss)	20 V	30 V	30 V	30 V
Vgs(th) (Max) @ Id	1V @ 250µA	3V @ 250µA	3V @ 250µA	3V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	31.1 nC @ 8 V	8.3 nC @ 10 V	9.45 nC @ 10 V	8.3 nC @ 10 V
Package / Case	SOT-563, SOT-666	SOT-563, SOT-666	SOT-563, SOT-666	SOT-563, SOT-666
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Rds On (Max) @ Id, Vgs	78mOhm @ 1.8A, 4.5V	93mOhm @ 1.3A, 10V	173mOhm @ 980mA, 10V	93mOhm @ 1.3A, 10V
Input Capacitance (Ciss) (Max) @ Vds	965 pF @ 10 V	280 pF @ 15 V	265 pF @ 15 V	280 pF @ 15 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
FET Feature	-	-	-	-
Base Product Number	SI1077	SI1072	SI1073	SI1072
Vgs (Max)	±8V	±20V	±20V	±20V
Drive Voltage (Max Rds On, Min Rds On)	1.5V, 4.5V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Supplier Device Package	SC-89 (SOT-563F)	SC-89 (SOT-563F)	SC-89 (SOT-563F)	SC-89 (SOT-563F)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
FET Type	P-Channel	N-Channel	P-Channel	N-Channel
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Current - Continuous Drain (Id) @ 25°C	1.75A (Ta)	1.3A (Ta)	980mA (Ta)	1.3A (Ta)
Power Dissipation (Max)	330mW (Ta)	236mW (Ta)	236mW (Ta)	236mW (Ta)
Series	TrenchFET®	TrenchFET®	TrenchFET®	TrenchFET®

### SI1077X-T1-GE3 Datasheet PDF

Download SI1077X-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SI1077X-T1-GE3 - Vishay Siliconix.

#### Datasheets

SI1077X-T1-GE3.pdf

#### Environmental Information

Material Compliance.pdf

#### PCN Assembly/Origin



Wafer Fab Addition 22/Jun/2015.pdf

## PCN Design/Specification



New Material 24/Mar/2021.pdf

## Customers Also Interested in

### Recommended Products



#### SI1072X-T1-E3

Vishay Siliconix  
MOSFET N-CH 30V 1.3A SC89-6



#### SI1102-A-GMR

Silicon Labs  
SENSOR OPT REFLECTIVE 50CM  
8WDFN



#### SI1073X-T1-GE3

Vishay Siliconix  
MOSFET P-CH 30V 0.98A SC89-6



#### SI1082-A-GMR

Silicon Labs  
IC RF TXRX+MCU ISM<1GHZ 36-  
WFQFN



#### SI1080-A-GMR

Silicon Labs  
IC RF TXRX+MCU ISM<1GHZ 36-  
WFQFN



#### SI1060-A-GMR

Silicon Labs  
IC RF TXRX+MCU ISM<1GHZ 36-  
WFQFN



#### SI1072X-T1-GE3

Vishay Siliconix  
MOSFET N-CH 30V SC89-6



#### SI1081-A-GM

Silicon Labs  
IC RF TXRX+MCU ISM<1GHZ 36-  
WFQFN



#### SI1060-A-GM

Silicon Labs  
IC RF TXRX+MCU ISM<1GHZ 36-  
WFQFN



#### SI1062X-T1-GE3

Vishay Siliconix  
MOSFET N-CH 20V SC89-3



#### SI1058X-T1-GE3

Vishay Siliconix  
MOSFET N-CH 20V SC89-6



#### SI1070X-T1-GE3

Vishay Siliconix  
MOSFET N-CH 30V 1.2A SC89-6



#### SI1102-A-GM

Silicon Labs  
SENSOR OPT REFLECTIVE 50CM  
8WDFN



#### SI1056X-T1-GE3

Vishay Siliconix  
MOSFET N-CH 20V SC89-6



#### SI1078X-T1-GE3

Vishay Siliconix  
MOSFET N-CH 30V 1.02A SOT563F



#### SI1080-A-GM

Silicon Labs  
IC RF TXRX+MCU ISM<1GHZ 36-  
WFQFN



#### SI1084-A-GMR

Silicon Labs  
IC RF TXRX+MCU ISM<1GHZ 36-  
WFQFN



#### SI1069X-T1-GE3

Vishay Siliconix  
MOSFET P-CH 20V 0.94A SC89-6

## 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 -



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



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