



# SIR182DP-T1-RE3

Manufacturer Part Number	<b>SIR182DP-T1-RE3</b>
Manufacturer	<b>Vishay / Siliconix</b>
Allelco Part Number	32D-SIR182DP-T1-RE3
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 60V 60A PPAK SO-8
Package	PowerPAK® SO-8
Data sheet	<b>SIR182DP.pdf</b>
RoHs Status	ROHS3 Compliant



**Get a Quote**

SIR182DP-T1-RE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SIR182DP-T1-RE3 datasheet/specifications on AllelcoElec.com.  
Request a quote for SIR182DP-T1-RE3, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

SIR182DP-T1-RE3 Tech Specifications

SIR182DP-T1-RE3 - 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	3.6V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	3250 pF @ 30 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	64 nC @ 10 V
Supplier Device Package	PowerPAK® SO-8	FET Type	N-Channel
Series	TrenchFET® Gen IV	FET Feature	-
Rds On (Max) @ Id, Vgs	2.8mOhm @ 15A, 10V	Drive Voltage (Max Rds On, Min Rds On)	7.5V, 10V
Power Dissipation (Max)	69.4W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	PowerPAK® SO-8	Current - Continuous Drain (Id) @ 25°C	60A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SIR182

## Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SIR182DP-T1-RE3

Product Attribute	NO PICTURE			
Part Number	SIR182DP-T1-RE3	SIR172ADP-T1-GE3	SIR186LDP-T1-RE3	SIR402DP-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Drain to Source Voltage (Vdss)	60 V	30 V	60 V	30 V
Power Dissipation (Max)	69.4W (Tc)	29.8W (Tc)	5W (Ta), 57W (Tc)	4.2W (Ta), 36W (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Input Capacitance (Ciss) (Max) @ Vds	3250 pF @ 30 V	1515 pF @ 15 V	1980 pF @ 30 V	1700 pF @ 15 V
Current - Continuous Drain (Id) @ 25°C	60A (Tc)	24A (Tc)	23.8A (Ta), 80.3A (Tc)	35A (Tc)
Vgs (Max)	±20V	±20V	±20V	±20V
Drive Voltage (Max Rds On, Min Rds On)	7.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Supplier Device Package	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Base Product Number	SIR182	SIR172	-	SIR402
Vgs(th) (Max) @ Id	3.6V @ 250µA	2.4V @ 250µA	2.5V @ 250µA	2.2V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	64 nC @ 10 V	44 nC @ 10 V	48 nC @ 10 V	42 nC @ 10 V
Series	TrenchFET® Gen IV	TrenchFET®	TrenchFET® Gen IV	TrenchFET®
FET Feature	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Rds On (Max) @ Id, Vgs	2.8mOhm @ 15A, 10V	8.5mOhm @ 10A, 10V	4.4mOhm @ 15A, 10V	6mOhm @ 20A, 10V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)

## SIR182DP-T1-RE3 Datasheet PDF

Download SIR182DP-T1-RE3 pdf datasheets and Vishay Siliconix documentation for SIR182DP-T1-RE3 - Vishay Siliconix.

### Datasheets

[SIR182DP.pdf](#)

### PCN Design/Specification



















[Mult Dev 07/Jun/2023.pdf](#)

[New solder paste 26/May/2023.pdf](#)

### PCN Assembly/Origin

## Customers Also Interested in

### Recommended Products

 <b>SIR172ADP</b> Electro-Films (EFI) / Vishay	 <b>SIR172ADP-T1-GE3</b> Vishay Siliconix MOSFET N-CH 30V 24A PPAK SO-8	 <b>SIR172DP</b> Electro-Films (EFI) / Vishay	 <b>SIR172DP-T1-E3</b> Electro-Films (EFI) / Vishay	 <b>SIR186LDP-T1-RE3</b> Vishay Siliconix N-CHANNEL 60-V (D-S) MOSFET POWE	 <b>SIR402DP-T1-GE3</b> Vishay Siliconix MOSFET N-CH 30V 35A PPAK SO-8
 <b>SIR330DP-T1-GE3</b> Vishay Siliconix MOSFET N-CH 30V 35A PPAK SO-8	 <b>SIR172DP-T1-GE3</b> Vishay Siliconix MOSFET N-CH 30V 20A PPAK SO-8	 <b>SIR402DP-T1-GE3 MOS</b> Electro-Films (EFI) / Vishay	 <b>SIR172ADP-T1</b> Electro-Films (EFI) / Vishay	 <b>SIR172ADP-T1-GE3 MOS</b> Electro-Films (EFI) / Vishay	 <b>SIR316DP-T1-GE3</b> Electro-Films (EFI) / Vishay
 <b>SIR401DP-T1-GE3</b> Vishay Siliconix MOSFET P-CH 20V 50A PPAK SO-8	 <b>SIR172DP-T1-GE3 MOS</b> Electro-Films (EFI) / Vishay	 <b>SIR184DP-T1-RE3</b> Vishay Siliconix MOSFET N-CH 60V 20.7A/73A PPAK	 <b>SIR170DP-T1-RE3</b> Vishay Siliconix MOSFET N-CH 100V 23.2A/95A PPAK	 <b>SIR402DP-T1-E3</b> Electro-Films (EFI) / Vishay	 <b>SIR188DP-T1-RE3</b> Vishay Siliconix MOSFET N-CH 60V 25.5A/60A PPAK

## 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 Alleco 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.

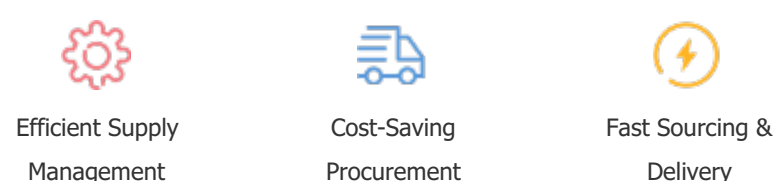
### Payment Support

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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