





SIR880DP-T1-GE3

Manufacturer Part Number	SIR880DP-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SIR880DP-T1-GE3
ECAD Model	 Request Free CAD Models
Parts Description	MOSFET N-CH 80V 60A PPAK SO-8
Package	PowerPAK® SO-8
Data sheet	SIR880DP.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

SIR880DP-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SIR880DP-T1-GE3 datasheet/specifications on AllelcoElec.com.

Request a quote for SIR880DP-T1-GE3, please send us email: info@allelco.com

Specifications





SIR880DP-T1-GE3 Tech Specifications

SIR880DP-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	2.8V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	2440 pF @ 40 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	74 nC @ 10 V
Supplier Device Package	PowerPAK® SO-8	FET Type	N-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	5.9mOhm @ 20A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	6.25W (Ta), 104W (Tc)	Drain to Source Voltage (Vdss)	80 V
Package / Case	PowerPAK® SO-8	Current - Continuous Drain (Id) @ 25°C	60A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SIR880

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SIR880DP-T1-GE3

Product Attribute	 NO PICTURE			
Part Number	SIR880DP-T1-GE3	SIR888DP-T1-GE3	SIR882ADP-T1-GE3	SIR878DP-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
FET Feature	-	-	-	-
Drain to Source Voltage (Vdss)	80 V	25 V	100 V	100 V
Rds On (Max) @ Id, Vgs	5.9mOhm @ 20A, 10V	3.25mOhm @ 15A, 10V	8.7mOhm @ 20A, 10V	14mOhm @ 15A, 10V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Vgs(th) (Max) @ Id	2.8V @ 250µA	2.2V @ 250µA	2.8V @ 250µA	2.8V @ 250µA
Series	TrenchFET®	TrenchFET®	TrenchFET®	TrenchFET®
Gate Charge (Qg) (Max) @ Vgs	74 nC @ 10 V	120 nC @ 10 V	60 nC @ 10 V	43 nC @ 10 V
Vgs (Max)	±20V	±16V	±20V	±20V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Power Dissipation (Max)	6.25W (Ta), 104W (Tc)	5W (Ta), 48W (Tc)	5.4W (Ta), 83W (Tc)	5W (Ta), 44.5W (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Package / Case	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Input Capacitance (Ciss) (Max) @ Vds	2440 pF @ 40 V	5065 pF @ 15 V	1975 pF @ 50 V	1250 pF @ 50 V
Current - Continuous Drain (Id) @ 25°C	60A (Tc)	40A (Tc)	60A (Tc)	40A (Tc)
Supplier Device Package	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Base Product Number	SIR880	SIR888	SIR882	SIR878


SIR880DP-T1-GE3 Datasheet PDF


Download SIR880DP-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SIR880DP-T1-GE3 - Vishay Siliconix.

Datasheets


[SIR880DP.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

 SIR888DP MOS Electro-Films (EFI) / Vishay	 SIR882ADP-T1-GE3 MOS Electro-Films (EFI) / Vishay	 SIR888DP-T1-GE3 Vishay Siliconix MOSFET N-CH 25V 40A PPAK SO-8	 SIR882ADP-T1-GE3 Vishay Siliconix MOSFET N-CH 100V 60A PPAK SO-8	 SIR880DP-T1-GE3 MOS Electro-Films (EFI) / Vishay	 SIR878DP-T1-GE3 Vishay Siliconix MOSFET N-CH 100V 40A PPAK SO-8
 SIR876DP-T1-GE3 Vishay Siliconix MOSFET N-CH 100V 40A PPAK SO-8	 SIR878ADP-T1-GE3 Vishay Siliconix MOSFET N-CH 100V 40A PPAK SO-8	 SIR878BDP-T1-RE3 Vishay Siliconix MOSFET N-CH 100V 12A/42.5A PPAK	 SIR878ADP Electro-Films (EFI) / Vishay	 SIR886-T1-GE3 Electro-Films (EFI) / Vishay	 SIR878ADP-T1-GE3 MOS Electro-Films (EFI) / Vishay
 SIR880ADP-T1-GE3 MOS Electro-Films (EFI) / Vishay	 SIR882DP-T1-GE3 Vishay Siliconix MOSFET N-CH 100V 60A PPAK SO-8	 SIR880ADP-T1-GE3 Vishay Siliconix MOSFET N-CH 80V 60A PPAK SO-8	 SIR878BDP-T1-GE3 Electro-Films (EFI) / Vishay	 SIR890DP SI	 SIR890DP-T1-E3 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.

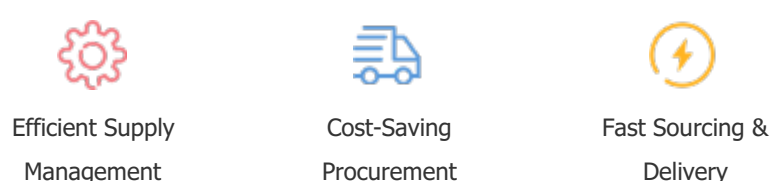
Payment Support

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

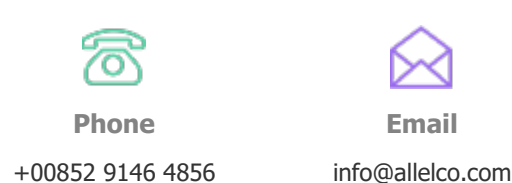
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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