



SIR890DP-T1-GE3

Manufacturer Part Number	SIR890DP-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SIR890DP-T1-GE3
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 20V 50A PPAK SO-8
Package	PowerPAK® SO-8
Data sheet	SIR890DP.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

SIR890DP-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SIR890DP-T1-GE3 datasheet/specifications on AllelcoElec.com.

Request a quote for SIR890DP-T1-GE3, please send us email: info@allelco.com

Specifications

SIR890DP-T1-GE3 Tech Specifications

SIR890DP-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	2.6V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	2747 pF @ 10 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	60 nC @ 10 V
Supplier Device Package	PowerPAK® SO-8	FET Type	N-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	2.9mOhm @ 10A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	5W (Ta), 50W (Tc)	Drain to Source Voltage (Vdss)	20 V
Package / Case	PowerPAK® SO-8	Current - Continuous Drain (Id) @ 25°C	50A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SIR890

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SIR890DP-T1-GE3

Product Attribute				
Part Number	SIR890DP-T1-GE3	SIR882ADP-T1-GE3	SIR888DP-T1-GE3	SIR892DP-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Supplier Device Package	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Current - Continuous Drain (Id) @ 25°C	50A (Tc)	60A (Tc)	40A (Tc)	50A (Tc)
Base Product Number	SIR890	SIR882	SIR888	SIR892
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Package / Case	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Vgs (Max)	±20V	±20V	±16V	±20V
Series	TrenchFET®	TrenchFET®	TrenchFET®	TrenchFET®
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Power Dissipation (Max)	5W (Ta), 50W (Tc)	5.4W (Ta), 83W (Tc)	5W (Ta), 48W (Tc)	5W (Ta), 50W (Tc)
Input Capacitance (Ciss) (Max) @ Vds	2747 pF @ 10 V	1975 pF @ 50 V	5065 pF @ 15 V	2645 pF @ 10 V
FET Feature	-	-	-	-
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	2.6V @ 250µA	2.8V @ 250µA	2.2V @ 250µA	2.6V @ 250µA
Drain to Source Voltage (Vdss)	20 V	100 V	25 V	25 V
Rds On (Max) @ Id, Vgs	2.9mOhm @ 10A, 10V	8.7mOhm @ 20A, 10V	3.25mOhm @ 15A, 10V	3.2mOhm @ 10A, 10V
Gate Charge (Qg) (Max) @ Vgs	60 nC @ 10 V	60 nC @ 10 V	120 nC @ 10 V	60 nC @ 10 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)

SIR890DP-T1-GE3 Datasheet PDF

Download SIR890DP-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SIR890DP-T1-GE3 - Vishay Siliconix.

Datasheets

SIR890DP.pdf



















PCN Assembly/Origin

Multiple Fabrication Changes09/Jul/2014.pdf

PCN Obsolescence/ EOL

Customers Also Interested in

Recommended Products

					
SIR886-T1-GE3 Electro-Films (EFI) / Vishay	SIR882ADP-T1-GE3 Vishay Siliconix MOSFET N-CH 100V 60A PPAK SO-8	SIRA00DP-T1-GE3 MOS Electro-Films (EFI) / Vishay	SIR888DP-T1-GE3 Vishay Siliconix MOSFET N-CH 25V 40A PPAK SO-8	SIR892DP-T1-GE3 Vishay Siliconix MOSFET N-CH 25V 50A PPAK SO-8	SIR892DP SI
					
SIR890DP-T1-E3 Electro-Films (EFI) / Vishay	SIR890DP-T1-GE3 MOS Electro-Films (EFI) / Vishay	SIRA00DP-T1-GE3 Vishay Siliconix MOSFET N-CH 30V 100A PPAK SO-8	SIR882DP-T1-GE3 Vishay Siliconix MOSFET N-CH 100V 60A PPAK SO-8	SIR890DP-T1-GE2 Electro-Films (EFI) / Vishay	SIR882ADP-T1-GE3 MOS Electro-Films (EFI) / Vishay
					
SIR892DP-T1-GE3-S Electro-Films (EFI) / Vishay	SIR91-21C/TR9 Everlight Electronics	SIRA01DP-T1-GE3 Vishay Siliconix MOSFET P-CH 30V 26A/60A PPAK SO8	SIR890DP SI	SIR888DP MOS Electro-Films (EFI) / Vishay	SIR892DP-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 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.

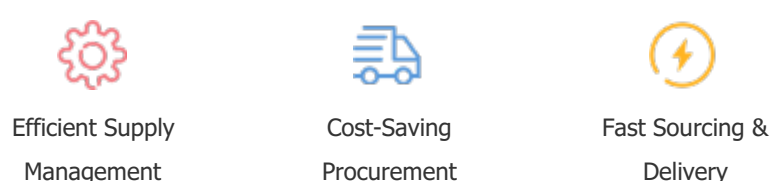
Payment Support

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

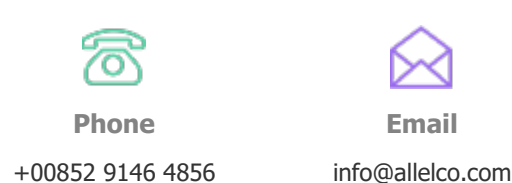
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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