





SIR846ADP-T1-GE3

Manufacturer Part Number	SIR846ADP-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SIR846ADP-T1-GE3
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 100V 60A PPAK SO-8
Package	PowerPAK® SO-8
Data sheet	SIR846ADP.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

SIR846ADP-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SIR846ADP-T1-GE3 datasheet/specifications on AllelcoElec.com.

Request a quote for SIR846ADP-T1-GE3, please send us email: info@allelco.com

Specifications





SIR846ADP-T1-GE3 Tech Specifications

SIR846ADP-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	3V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	2350 pF @ 50 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	66 nC @ 10 V
Supplier Device Package	PowerPAK® SO-8	FET Type	N-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	7.8mOhm @ 20A, 10V	Drive Voltage (Max Rds On, Min Rds On)	6V, 10V
Power Dissipation (Max)	5.4W (Ta), 83W (Tc)	Drain to Source Voltage (Vdss)	100 V
Package / Case	PowerPAK® SO-8	Current - Continuous Drain (Id) @ 25°C	60A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SIR846

Parts with Similar Specifications


The three parts on the right have similar specifications to Vishay Siliconix SIR846ADP-T1-GE3

Product Attribute	 NO PICTURE			
Part Number	SIR846ADP-T1-GE3	SIR838DP-T1-GE3	SIR862DP-T1-GE3	SIR840DP-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
FET Feature	-	-	-	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Gate Charge (Qg) (Max) @ Vgs	66 nC @ 10 V	50 nC @ 10 V	90 nC @ 10 V	-
Package / Case	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Input Capacitance (Ciss) (Max) @ Vds	2350 pF @ 50 V	2075 pF @ 75 V	3800 pF @ 10 V	-
Supplier Device Package	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Base Product Number	SIR846	SIR838	SIR862	SIR840
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Vgs(th) (Max) @ Id	3V @ 250µA	4V @ 250µA	2.3V @ 250µA	-
Drain to Source Voltage (Vdss)	100 V	150 V	25 V	30 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Rds On (Max) @ Id, Vgs	7.8mOhm @ 20A, 10V	33mOhm @ 8.3A, 10V	2.8mOhm @ 15A, 10V	-
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Drive Voltage (Max Rds On, Min Rds On)	6V, 10V	10V	4.5V, 10V	-
Power Dissipation (Max)	5.4W (Ta), 83W (Tc)	5.4W (Ta), 96W (Tc)	5.2W (Ta), 69W (Tc)	-
Vgs (Max)	±20V	±20V	±20V	-
Series	TrenchFET®	TrenchFET®	TrenchFET®	-
Current - Continuous Drain (Id) @ 25°C	60A (Tc)	35A (Tc)	50A (Tc)	-

SIR846ADP-T1-GE3 Datasheet PDF

Download SIR846ADP-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SIR846ADP-T1-GE3 - Vishay Siliconix.

Datasheets

 SIR846ADP.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

					
SIR838DP-T1-GE3 Vishay Siliconix MOSFET N-CH 150V 35A PPAK SO-8	SIR840DP SI	SIR838ADP-T1-GE3 Electro-Films (EFI) / Vishay	SIR836DP Electro-Films (EFI) / Vishay	SIR862DP-T1-GE3 Vishay Siliconix MOSFET N-CH 25V 50A PPAK SO-8	SIR840DP-T1-E3 Electro-Films (EFI) / Vishay
					
SIR864DP Electro-Films (EFI) / Vishay	SIR846ADP-T1-GE3 MOS Electro-Films (EFI) / Vishay	SIR840DP-T1-GE3 Vishay Siliconix MOSFET N-CH 30V PPAK SO-8	SIR850DP-T1-GE3 MOS Electro-Films (EFI) / Vishay	SIR844DP-T1-GE3 Vishay Siliconix MOSFET N-CH 25V 50A PPAK SO-8	SIR850DP SI
					
SIR850DP-T1-E3 Electro-Films (EFI) / Vishay	SIR846DP-T1-GE3 Vishay Siliconix MOSFET N-CH 100V 60A PPAK SO-8	SIR836DP-T1-GE3 MOS Electro-Films (EFI) / Vishay	SIR836DP-T1-GE3 Vishay Siliconix MOSFET N-CH 40V 21A PPAK SO-8	SIR850DP-T1-GE3 Vishay Siliconix MOSFET N-CH 25V 30A PPAK SO-8	SIR862DP-T1-GE3 MOS 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.

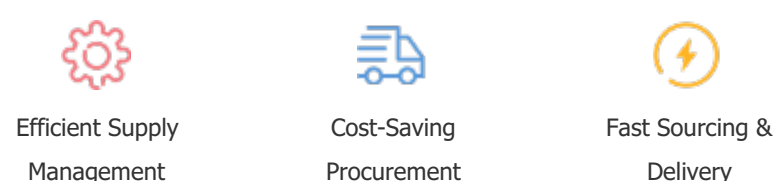
Payment Support

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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