



SIR624DP-T1-GE3

Manufacturer Part Number	SIR624DP-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SIR624DP-T1-GE3
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 200V 18.6A PPAK SO-8
Package	PowerPAK® SO-8
Data sheet	SIR624DP.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

SIR624DP-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SIR624DP-T1-GE3 datasheet/specifications on AllelcoElec.com.
Request a quote for SIR624DP-T1-GE3, please send us email: info@allelco.com

Specifications

SIR624DP-T1-GE3 Tech Specifications
SIR624DP-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	4V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	1110 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	23 nC @ 7.5 V
Supplier Device Package	PowerPAK® SO-8	FET Type	N-Channel
Series	ThunderFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	60mOhm @ 10A, 10V	Drive Voltage (Max Rds On, Min Rds On)	7.5V, 10V
Power Dissipation (Max)	52W (Tc)	Drain to Source Voltage (Vdss)	200 V
Package / Case	PowerPAK® SO-8	Current - Continuous Drain (Id) @ 25°C	18.6A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SIR624

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SIR624DP-T1-GE3

Product Attribute				
Part Number	SIR624DP-T1-GE3	SIR622DP-T1-RE3	SIR496DP-T1-GE3	SIR618DP-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
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)	7.5V, 10V	7.5V, 10V	4.5V, 10V	7.5V, 10V
Drain to Source Voltage (Vdss)	200 V	150 V	20 V	200 V
Vgs (Max)	±20V	±20V	±20V	±20V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Gate Charge (Qg) (Max) @ Vgs	23 nC @ 7.5 V	41 nC @ 10 V	42 nC @ 10 V	16 nC @ 7.5 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Current - Continuous Drain (Id) @ 25°C	18.6A (Tc)	12.6A (Ta), 51.6A (Tc)	35A (Tc)	14.2A (Tc)
Series	ThunderFET®	ThunderFET®	TrenchFET®	ThunderFET®
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Input Capacitance (Ciss) (Max) @ Vds	1110 pF @ 100 V	1516 pF @ 75 V	1570 pF @ 10 V	740 pF @ 100 V
Power Dissipation (Max)	52W (Tc)	6.25W (Ta), 104W (Tc)	5W (Ta), 27.7W (Tc)	48W (Tc)
Supplier Device Package	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Rds On (Max) @ Id, Vgs	60mOhm @ 10A, 10V	17.7mOhm @ 20A, 10V	4.5mOhm @ 20A, 10V	95mOhm @ 8A, 10V
Base Product Number	SIR624	SIR622	SIR496	SIR618
Vgs(th) (Max) @ Id	4V @ 250µA	4.5V @ 250µA	2.5V @ 250µA	4V @ 250µA
FET Feature	-	-	-	-

SIR624DP-T1-GE3 Datasheet PDF

Download SIR624DP-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SIR624DP-T1-GE3 - Vishay Siliconix.

Datasheets

SIR624DP.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

					
SIR622DP-T1-RE3 Vishay Siliconix MOSFET N-CH 150V 12.6A PPAK	SIR496DP-T1-GE3 Vishay Siliconix MOSFET N-CH 20V 35A PPAK SO-8	SIR496DP-T1-E3 Electro-Films (EFI) / Vishay	SIR626LDP-T1-GE3 Electro-Films (EFI) / Vishay	SIR618DP-T1-GE3 Vishay Siliconix MOSFET N-CH 200V 14.2A PPAK SO-8	SIR494DP-T1-GE3 MOS Electro-Films (EFI) / Vishay
					
SIR626DP Electro-Films (EFI) / Vishay	SIR608DP-T1-RE3 Vishay Siliconix MOSFET N-CH 45V 51A/208A PPAK	SIR638ADP-T1-GE3 Electro-Films (EFI) / Vishay	SIR626DP-T1-RE Electro-Films (EFI) / Vishay	SIR616DP-T1-GE3 Vishay Siliconix MOSFET N-CH 200V 20.2A PPAK SO-8	SIR622DP-T1-GE3 Vishay Siliconix MOSFET N-CH 150V 51.6A PPAK SO-8
					
SIR638DP-T1-GE3 Vishay Siliconix MOSFET N-CH 40V 100A PPAK SO-8	SIR610DP-T1-RE3 Vishay Siliconix MOSFET N-CH 200V 35.4A PPAK SO-8	SIR638ADP-T1-RE3 Vishay Siliconix MOSFET N-CH 40V 100A PPAK SO-8	SIR626DP-T1-RE3 Vishay Siliconix MOSFET N-CH 60V 100A PPAK SO-8	SIR626LDP-T1-RE3 Vishay Siliconix MOSFET N-CH 60V 45.6A/186A PPAK	SIR494DP-T1-GE3 Vishay Siliconix MOSFET N-CH 12V 60A PPAK SO-8

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.

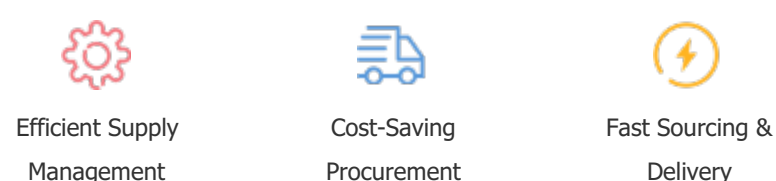
Payment Support

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

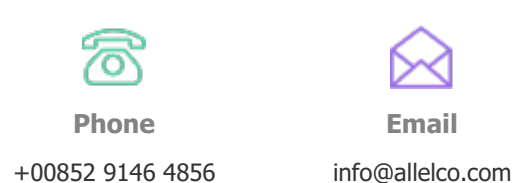
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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