



SIR638ADP-T1-RE3

Manufacturer Part Number	SIR638ADP-T1-RE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SIR638ADP-T1-RE3
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 40V 100A PPAK SO-8
Package	PowerPAK® SO-8
Data sheet	SIR638ADP.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

SIR638ADP-T1-RE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SIR638ADP-T1-RE3 datasheet/specifications on AllelcoElec.com.

Request a quote for SIR638ADP-T1-RE3, please send us email: info@allelco.com

Specifications

SIR638ADP-T1-RE3 Tech Specifications

SIR638ADP-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	2.3V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	+20V, -16V	Input Capacitance (Ciss) (Max) @ Vds	9100 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	165 nC @ 10 V
Supplier Device Package	PowerPAK® SO-8	FET Type	N-Channel
Series	TrenchFET® Gen IV	FET Feature	-
Rds On (Max) @ Id, Vgs	0.88mOhm @ 20A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	104W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	PowerPAK® SO-8	Current - Continuous Drain (Id) @ 25°C	100A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SIR638

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SIR638ADP-T1-RE3

Product Attribute	NO PICTURE			
Part Number	SIR638ADP-T1-RE3	SIR638DP-T1-RE3	SIR624DP-T1-GE3	SIR626DP-T1-RE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Input Capacitance (Ciss) (Max) @ Vds	9100 pF @ 100 V	10500 pF @ 20 V	1110 pF @ 100 V	5130 pF @ 30 V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	7.5V, 10V	6V, 10V
Current - Continuous Drain (Id) @ 25°C	100A (Tc)	100A (Tc)	18.6A (Tc)	100A (Tc)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Vgs(th) (Max) @ Id	2.3V @ 250µA	2.3V @ 250µA	4V @ 250µA	3.4V @ 250µA
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Rds On (Max) @ Id, Vgs	0.88mOhm @ 20A, 10V	0.88mOhm @ 20A, 10V	60mOhm @ 10A, 10V	1.7mOhm @ 20A, 10V
Series	TrenchFET® Gen IV	TrenchFET® Gen IV	ThunderFET®	TrenchFET® Gen IV
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Package / Case	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Vgs (Max)	+20V, -16V	+20V, -16V	±20V	±20V
Base Product Number	SIR638	SIR638	SIR624	SIR626
FET Feature	-	-	-	-
Power Dissipation (Max)	104W (Tc)	104W (Tc)	52W (Tc)	104W (Tc)
Gate Charge (Qg) (Max) @ Vgs	165 nC @ 10 V	204 nC @ 10 V	23 nC @ 7.5 V	78 nC @ 7.5 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	40 V	40 V	200 V	60 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel

SIR638ADP-T1-RE3 Datasheet PDF

Download SIR638ADP-T1-RE3 pdf datasheets and Vishay Siliconix documentation for SIR638ADP-T1-RE3 - Vishay Siliconix.

Datasheets

SIR638ADP.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

					
SIR626LDP-T1-GE3 Electro-Films (EFI) / Vishay	SIR638DP-T1-RE3 Vishay Siliconix MOSFET N-CH 40V 100A PPAK SO-8	SIR638ADP-T1-GE3 Electro-Films (EFI) / Vishay	SIR624DP-T1-GE3 Vishay Siliconix MOSFET N-CH 200V 18.6A PPAK SO-8	SiR642DP Electro-Films (EFI) / Vishay	SIR640ADP-T1-GE3 MOS Electro-Films (EFI) / Vishay
					
SiR640ADP Electro-Films (EFI) / Vishay	SIR626DP-T1-RE3 Vishay Siliconix MOSFET N-CH 60V 100A PPAK SO-8	SIR626DP Electro-Films (EFI) / Vishay	SIR626LDP-T1-RE3 Vishay Siliconix MOSFET N-CH 60V 45.6A/186A PPAK	SIR632DP-T1-RE3-H Electro-Films (EFI) / Vishay	SIR640DP-T1-GE3 Vishay Siliconix MOSFET N-CH 40V 60A PPAK SO-8
					
SIR626DP-T1-RE Electro-Films (EFI) / Vishay	SIR640ADP-T1-GE3 Vishay Siliconix MOSFET N-CH 40V 41.6A/100A PPAK	SIR638DP-T1-GE3 Vishay Siliconix MOSFET N-CH 40V 100A PPAK SO-8	SIR632DP-T1-GE3 Electro-Films (EFI) / Vishay	SIR622DP-T1-RE3 Vishay Siliconix MOSFET N-CH 150V 12.6A PPAK	SIR640ADP-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.

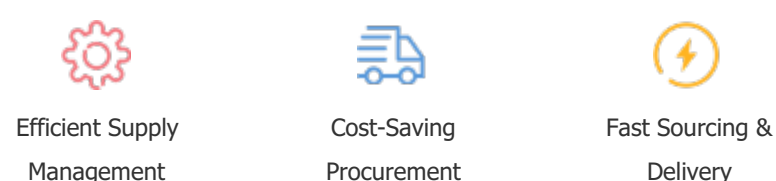
Payment Support

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

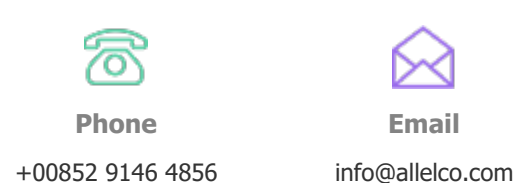
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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