



SIRA52DP-T1-GE3

Manufacturer Part Number	SIRA52DP-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SIRA52DP-T1-GE3
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 40V 60A PPAK SO-8
Package	PowerPAK® SO-8
Data sheet	PowerPak SO-8 Drawing.pdf SIRA52DP.pdf
RoHS Status	ROHS3 Compliant



Get a Quote

SIRA52DP-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SIRA52DP-T1-GE3 datasheet/specifications on AllelcoElec.com.
Request a quote for SIRA52DP-T1-GE3, please send us email: info@allelco.com

Specifications

SIRA52DP-T1-GE3 Tech Specifications

SIRA52DP-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	2.4V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	+20V, -16V	Input Capacitance (Ciss) (Max) @ Vds	7150 pF @ 20 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	150 nC @ 10 V
Supplier Device Package	PowerPAK® SO-8	FET Type	N-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	1.7mOhm @ 15A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	48W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	PowerPAK® SO-8	Current - Continuous Drain (Id) @ 25°C	60A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SIRA52

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SIRA52DP-T1-GE3

Product Attribute	NO PICTURE			
Part Number	SIRA52DP-T1-GE3	SIRA54DP-T1-GE3	SIRA84BDP-T1-GE3	SIRA80DP-T1-RE3
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
Current - Continuous Drain (Id) @ 25°C	60A (Tc)	60A (Tc)	22A (Ta), 70A (Tc)	100A (Tc)
Series	TrenchFET®	TrenchFET® Gen IV	TrenchFET® Gen IV	TrenchFET® Gen IV
Gate Charge (Qg) (Max) @ Vgs	150 nC @ 10 V	48 nC @ 4.5 V	32 nC @ 10 V	188 nC @ 10 V
Supplier Device Package	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)
Input Capacitance (Ciss) (Max) @ Vds	7150 pF @ 20 V	5300 pF @ 20 V	1050 pF @ 15 V	9530 pF @ 15 V
Rds On (Max) @ Id, Vgs	1.7mOhm @ 15A, 10V	2.35mOhm @ 15A, 10V	4.6mOhm @ 15A, 10V	0.62mOhm @ 20A, 10V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Drain to Source Voltage (Vdss)	40 V	40 V	30 V	30 V
Vgs (Max)	+20V, -16V	+20V, -16V	+20V, -16V	+20V, -16V
Package / Case	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Vgs(th) (Max) @ Id	2.4V @ 250µA	2.3V @ 250µA	2.4V @ 250µA	2.2V @ 250µA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
FET Feature	-	-	-	-
Power Dissipation (Max)	48W (Tc)	36.7W (Tc)	3.7W (Ta), 36W (Tc)	104W (Tc)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Base Product Number	SIRA52	SIRA54	SIRA84	SIRA80
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)

SIRA52DP-T1-GE3 Datasheet PDF


Download SIRA52DP-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SIRA52DP-T1-GE3 - Vishay Siliconix.

Datasheets

PowerPak SO-8 Drawing.pdf	SIRA52DP.pdf
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PCN Design/Specification

Mult Dev 07/Jun/2023.pdf	New solder paste 26/May/2023.pdf
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 New Solder Plating Site 18/Apr/2023.pdf

Customers Also Interested in

Recommended Products

					
SIRA54DP-T1-GE3 Vishay Siliconix MOSFET N-CH 40V 60A PPAK SO-8	SIRA84BDP-T1-GE3 Vishay Siliconix MOSFET N-CH 30V 22A/70A PPAK SO8	SIRA80DP-T1-RE3 Vishay Siliconix MOSFET N-CH 30V 100A PPAK SO-8	SIRA28BDP-T1-GE3 Vishay Siliconix MOSFET N-CH 30V 18A/38A PPAK SO8	SIRA24DP-T1-GE3 Vishay Siliconix MOSFET N-CH 25V 60A PPAK SO-8	SIRA32DP-T1-RE3 Vishay Siliconix MOSFET N-CH 25V 60A PPAK SO-8
					
SIRA62DP-T1-RE3 Vishay Siliconix MOSFET N-CH 30V 51.4A/80A PPAK	SIRA52ADP-T1-RE3 Vishay Siliconix MOSFET N-CH 40V 41.6A/131A PPAK	SIRA34DP-T1-GE3 Vishay Siliconix MOSFET N-CH 30V 40A PPAK SO-8	SIRA60DP-T1-GE3 Vishay Siliconix MOSFET N-CH 30V 100A PPAK SO-8	SIRA58DP-T1-GE3 Vishay Siliconix MOSFET N-CH 40V 60A PPAK SO-8	SIRA22ADP-T1-GE3 Electro-Films (EFI) / Vishay
					
SIRA36DP-T1-RE3 Vishay Siliconix MOSFET N-CH 30V 40A PPAK SO-8	SIRA66DP-T1-GE3 Vishay Siliconix MOSFET N-CH 30V 50A PPAK SO-8	SIRA72DP-T1-GE3 Vishay Siliconix MOSFET N-CH 40V 60A PPAK SO-8	SIRA64DP-T1-RE3 Vishay Siliconix MOSFET N-CH 30V 60A PPAK SO-8	SIRA50ADP-T1-RE3 Vishay Siliconix MOSFET N-CH 40V 54.8A/219A PPAK	SIRA64DP-T1-GE3 Vishay Siliconix MOSFET N-CH 30V 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.



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 Efficient Supply Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
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Contact us if you have any questions.

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Certifications & Memberships



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