





## SIRA18DP-T1-GE3

Manufacturer Part Number	<b>SIRA18DP-T1-GE3</b>
Manufacturer	<b>Vishay / Siliconix</b>
Allelco Part Number	32D-SIRA18DP-T1-GE3
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 30V 33A PPAK SO-8
Package	PowerPAK® SO-8
Data sheet	<a href="#">PowerPak SO-8 Drawing.pdf</a> <a href="#">SIRA18DP.pdf</a>
RoHs Status	 ROHS3 Compliant



**Get a Quote**

SIRA18DP-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SIRA18DP-T1-GE3 datasheet/specifications on AllelcoElec.com.  
Request a quote for SIRA18DP-T1-GE3, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications





SIRA18DP-T1-GE3 Tech Specifications

SIRA18DP-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	1000 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	21.5 nC @ 10 V
Supplier Device Package	PowerPAK® SO-8	FET Type	N-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	7.5mOhm @ 10A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	3.3W (Ta), 14.7W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	PowerPAK® SO-8	Current - Continuous Drain (Id) @ 25°C	33A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SIRA18

### Parts with Similar Specifications



The three parts on the right have similar specifications to Vishay Siliconix SIRA18DP-T1-GE3

Product Attribute	 NO PICTURE			
Part Number	SIRA18DP-T1-GE3	SIRA32DP-T1-RE3	SIRA14DP-T1-GE3	SIRA18BDP-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Gate Charge (Qg) (Max) @ Vgs	21.5 nC @ 10 V	83 nC @ 10 V	29 nC @ 10 V	19 nC @ 10 V
Rds On (Max) @ Id, Vgs	7.5mOhm @ 10A, 10V	1.2mOhm @ 15A, 10V	5.1mOhm @ 10A, 10V	6.83mOhm @ 10A, 10V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Drain to Source Voltage (Vdss)	30 V	25 V	30 V	30 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Vgs (Max)	+20V, -16V	+16V, -12V	+20V, -16V	+20V, -16V
Power Dissipation (Max)	3.3W (Ta), 14.7W (Tc)	65.7W (Tc)	3.6W (Ta), 31.2W (Tc)	3.8W (Ta), 17W (Tc)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Supplier Device Package	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
FET Feature	-	-	-	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Vgs(th) (Max) @ Id	2.4V @ 250µA	2.2V @ 250µA	2.2V @ 250µA	2.4V @ 250µA
Series	TrenchFET®	TrenchFET® Gen IV	TrenchFET®	TrenchFET® Gen IV
Current - Continuous Drain (Id) @ 25°C	33A (Tc)	60A (Tc)	58A (Tc)	19A (Ta), 40A (Tc)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Base Product Number	SIRA18	SIRA32	SIRA14	SIRA18
Package / Case	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Input Capacitance (Ciss) (Max) @ Vds	1000 pF @ 15 V	4450 pF @ 10 V	1450 pF @ 15 V	680 pF @ 15 V



### SIRA18DP-T1-GE3 Datasheet PDF

Download SIRA18DP-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SIRA18DP-T1-GE3 - Vishay Siliconix.

#### Datasheets

 PowerPak SO-8 Drawing.pdf	 SIRA18DP.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

<b>SIRA20DP-T1-GE3</b> Electro-Films (EFI) / Vishay	<b>SIRA32DP-T1-RE3</b> Vishay Siliconix MOSFET N-CH 25V 60A PPAK SO-8	<b>SIRA14DP-T1-GE3</b> Vishay Siliconix MOSFET N-CH 30V 58A PPAK SO-8	<b>SIRA14DP-T1-GE3-G</b> Electro-Films (EFI) / Vishay	<b>SIRA18BDP-T1-GE3</b> Vishay Siliconix MOSFET N-CH 30V 19A/40A PPAK SO8	<b>SIRA14DP-T1-GE3 MOS</b> Electro-Films (EFI) / Vishay
<b>SIRA18ADP-T1-GE3</b> Vishay Siliconix MOSFET N-CH 30V 30.6A PPAK SO-8	<b>SIRA18DP-T1-GE3 MOS</b> Electro-Films (EFI) / Vishay	<b>SIRA34DP-T1-GE3</b> Vishay Siliconix MOSFET N-CH 30V 40A PPAK SO-8	<b>SIRA14DP-T1-GE3##QQQQQQ</b>	<b>SIRA20DP-T1-RE3</b> Vishay Siliconix MOSFET N-CH 25V 81.7A/100A PPAK	<b>SIRA18DP-T1-GE3-G</b> Electro-Films (EFI) / Vishay
<b>SIRA22ADP-T1-GE3</b> Electro-Films (EFI) / Vishay	<b>SiRA18DP</b> Electro-Films (EFI) / Vishay	<b>SIRA24DP-T1-GE3</b> Vishay Siliconix MOSFET N-CH 25V 60A PPAK SO-8	<b>SIRA14DP-T1</b> Electro-Films (EFI) / Vishay	<b>SIRA18ADP-T1-E3</b> Electro-Films (EFI) / Vishay	<b>SIRA28BDP-T1-GE3</b> Vishay Siliconix MOSFET N-CH 30V 18A/38A PPAK SO8

## 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 -

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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### Contact us

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