





## SISS27ADN-T1-GE3

Manufacturer Part Number	<b>SISS27ADN-T1-GE3</b>
Manufacturer	<b>Vishay / Siliconix</b>
Allelco Part Number	32D-SISS27ADN-T1-GE3
ECAD Model	 Request Free CAD Models
Parts Description	MOSFET P-CH 30V 50A PPAK1212-8S
Package	PowerPAK® 1212-8S
Data sheet	<b>SISS27ADN.pdf</b>
RoHs Status	 ROHS3 Compliant



**Get a Quote**

SISS27ADN-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SISS27ADN-T1-GE3 datasheet/specifications on AllelcoElec.com.

Request a quote for SISS27ADN-T1-GE3, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications





SISS27ADN-T1-GE3 Tech Specifications

SISS27ADN-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	2.2V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	4660 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	55 nC @ 4.5 V
Supplier Device Package	PowerPAK® 1212-8S	FET Type	P-Channel
Series	TrenchFET® Gen III	FET Feature	-
Rds On (Max) @ Id, Vgs	5.1mOhm @ 15A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	57W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	PowerPAK® 1212-8S	Current - Continuous Drain (Id) @ 25°C	50A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SISS27

### Parts with Similar Specifications

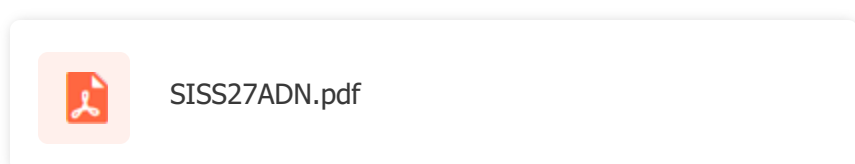
The three parts on the right have similar specifications to Vishay Siliconix SISS27ADN-T1-GE3

Product Attribute	 NO PICTURE			
Part Number	SISS27ADN-T1-GE3	SISS23DN-T1-GE3	SISS40DN-T1-GE3	SISS12DN-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Series	TrenchFET® Gen III	TrenchFET®	ThunderFET®	TrenchFET® Gen IV
Package / Case	PowerPAK® 1212-8S	PowerPAK® 1212-8S	PowerPAK® 1212-8S	PowerPAK® 1212-8S
Rds On (Max) @ Id, Vgs	5.1mOhm @ 15A, 10V	4.5mOhm @ 20A, 4.5V	21mOhm @ 10A, 10V	1.98mOhm @ 10A, 10V
Current - Continuous Drain (Id) @ 25°C	50A (Tc)	50A (Tc)	36.5A (Tc)	37.5A (Ta), 60A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	1.8V, 4.5V	6V, 10V	4.5V, 10V
Supplier Device Package	PowerPAK® 1212-8S	PowerPAK® 1212-8S	PowerPAK® 1212-8S	PowerPAK® 1212-8S
Drain to Source Voltage (Vdss)	30 V	20 V	100 V	40 V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
FET Type	P-Channel	P-Channel	N-Channel	N-Channel
Gate Charge (Qg) (Max) @ Vgs	55 nC @ 4.5 V	300 nC @ 10 V	24 nC @ 10 V	89 nC @ 10 V
FET Feature	-	-	-	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Vgs(th) (Max) @ Id	2.2V @ 250µA	900mV @ 250µA	3.5V @ 250µA	2.4V @ 250µA
Power Dissipation (Max)	57W (Tc)	4.8W (Ta), 57W (Tc)	3.7W (Ta), 52W (Tc)	5W (Ta), 65.7W (Tc)
Base Product Number	SISS27	SISS23	SISS40	SISS12
Input Capacitance (Ciss) (Max) @ Vds	4660 pF @ 15 V	8840 pF @ 15 V	845 pF @ 50 V	4270 pF @ 20 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Operating Temperature	-55°C ~ 150°C (TJ)	-50°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Vgs (Max)	±20V	±8V	±20V	+20V, -16V

### SISS27ADN-T1-GE3 Datasheet PDF



















Download SISS27ADN-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SISS27ADN-T1-GE3 - Vishay Siliconix.

#### Datasheets



### Customers Also Interested in

#### Recommended Products

					
<b>SISS23DN-T1-GE3</b> Vishay Siliconix MOSFET P-CH 20V 50A PPAK 1212-8S	<b>SISS40DN-T1-GE3</b> Vishay Siliconix MOSFET N-CH 100V 36.5A PPAK	<b>SISS12DN-T1-GE3</b> Vishay Siliconix MOSFET N-CH 40V 37.5A/60A PPAK	<b>SISS32DN-T1-GE3</b> Vishay Siliconix MOSFET N-CH 80V 17.4A/63A PPAK	<b>SISS27DN-T1-GE3</b> Vishay Siliconix MOSFET P-CH 30V 50A PPAK 1212-8S	<b>SISS02DN-T1-GE3</b> Vishay Siliconix MOSFET N-CH 25V 51A/80A PPAK
					
<b>SISS63DN-T1-GE3</b> Vishay Siliconix MOSFET P-CH 20V 35.1/127.5A PPAK	<b>SISS05DN-T1-GE3</b> Vishay Siliconix MOSFET P-CH 30V 29.4A/108A PPAK	<b>SISS64DN-T1-GE3</b> Vishay Siliconix MOSFET N-CH 30V 40A PPAK1212-8S	<b>SISS46DN-T1-GE3</b> Vishay Siliconix MOSFET N-CH 100V 12.5/45.3A PPAK	<b>SISS23DN-T1-GE3 MOS</b> Electro-Films (EFI) / Vishay	<b>SISS42LDN-T1-GE3</b> Vishay Siliconix MOSFET N-CH 100V 11.3A/39A PPAK
					
<b>SISS10ADN-T1-GE3</b> Vishay Siliconix MOSFET N-CH 40V 31.7A/109A PPAK	<b>SISM661MX B1</b> SIS	<b>SISS04DN-T1-GE3</b> Vishay Siliconix MOSFET N-CH 30V 50.5A/80A PPAK	<b>SISS26LDN-T1-GE3</b> Vishay Siliconix MOSFET N-CH 60V 23.7A/81.2A PPAK	<b>SISS60DN-T1-GE3</b> Vishay Siliconix MOSFET N-CH 30V 50.1/181.8A PPAK	<b>SISS42DN-T1-GE3</b> Vishay Siliconix MOSFET N-CH 100V 11.8/40.5A PPAK

## 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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Contact us if you have any questions.

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