





SI7309DN-T1-E3

Manufacturer Part Number	SI7309DN-T1-E3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SI7309DN-T1-E3
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET P-CH 60V 8A PPAK1212-8
Package	PowerPAK® 1212-8
Data sheet	SI7309DN-T1-E3.pdf
RoHs Status	 ROHS3 Compliant



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SI7309DN-T1-E3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI7309DN-T1-E3 datasheet/specifications on AllelcoElec.com.

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Specifications





SI7309DN-T1-E3 Tech Specifications

SI7309DN-T1-E3 - 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	3V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	600 pF @ 30 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	22 nC @ 10 V
Supplier Device Package	PowerPAK® 1212-8	FET Type	P-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	115mOhm @ 3.9A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	3.2W (Ta), 19.8W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	PowerPAK® 1212-8	Current - Continuous Drain (Id) @ 25°C	8A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SI7309

Parts with Similar Specifications


The three parts on the right have similar specifications to Vishay Siliconix SI7309DN-T1-E3

Product Attribute	 NO PICTURE			
Part Number	SI7309DN-T1-E3	SI7317DN-T1-GE3	SI7309DN-T1-GE3	SI7322ADN-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Series	TrenchFET®	TrenchFET®	TrenchFET®	ThunderFET®
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
FET Feature	-	-	-	-
Vgs (Max)	±20V	±30V	±20V	±20V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	60 V	150 V	60 V	100 V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Base Product Number	SI7309	SI7317	SI7309	SI7322
Input Capacitance (Ciss) (Max) @ Vds	600 pF @ 30 V	365 pF @ 75 V	600 pF @ 30 V	360 pF @ 50 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Power Dissipation (Max)	3.2W (Ta), 19.8W (Tc)	3.2W (Ta), 19.8W (Tc)	3.2W (Ta), 19.8W (Tc)	26W (Tc)
Package / Case	PowerPAK® 1212-8	PowerPAK® 1212-8	PowerPAK® 1212-8	PowerPAK® 1212-8
FET Type	P-Channel	P-Channel	P-Channel	N-Channel
Gate Charge (Qg) (Max) @ Vgs	22 nC @ 10 V	9.8 nC @ 10 V	22 nC @ 10 V	13 nC @ 10 V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	6V, 10V	4.5V, 10V	10V
Supplier Device Package	PowerPAK® 1212-8	PowerPAK® 1212-8	PowerPAK® 1212-8	PowerPAK® 1212-8
Vgs(th) (Max) @ Id	3V @ 250µA	4.5V @ 250µA	3V @ 250µA	4V @ 250µA
Rds On (Max) @ Id, Vgs	115mOhm @ 3.9A, 10V	1.2Ohm @ 500mA, 10V	115mOhm @ 3.9A, 10V	57mOhm @ 5.5A, 10V
Current - Continuous Drain (Id) @ 25°C	8A (Tc)	2.8A (Tc)	8A (Tc)	15.1A (Tc)

SI7309DN-T1-E3 Datasheet PDF

Download SI7309DN-T1-E3 pdf datasheets and Vishay Siliconix documentation for SI7309DN-T1-E3 - Vishay Siliconix.

PCN Assembly/Origin



New Solder Plating Site 18/Apr/2023.pdf

Customers Also Interested in

Recommended Products



SI7300A
Sanken Electric Co., Ltd.



SI7317DN-T1-GE3
Vishay Siliconix
MOSFET P-CH 150V 2.8A PPAK1212-8



SI7309DN-T1-GE3
Vishay Siliconix
MOSFET P-CH 60V 8A PPAK1212-8



SI7322ADN-T1-GE3
Vishay Siliconix
MOSFET N-CH 100V 15.1A PPAK



SI7302DN-T1-GE3
Vishay Siliconix
MOSFET N-CH 220V 8.4A PPAK1212-8



SI7308DN-T1-E3
Vishay Siliconix
MOSFET N-CH 60V 6A PPAK1212-8



SI7308DN-T1-E3 MOS
Electro-Films (EFI) / Vishay



SI7308DN-T1-E3-PBF
Electro-Films (EFI) / Vishay



SI7322DN-T1-GE3
Vishay Siliconix
MOSFET N-CH 100V 18A PPAK1212-8



SI7308DN-T1-GE3
Vishay Siliconix
MOSFET N-CH 60V 6A PPAK1212-8



SI7308DN
Electro-Films (EFI) / Vishay



SI7302DN-T1-E3
Vishay Siliconix
MOSFET N-CH 220V 8.4A PPAK1212-8



SI7309DN-T1-E3 MOS
Electro-Films (EFI) / Vishay



SI7326DN
SI



SI7322DN-T1
Electro-Films (EFI) / Vishay



SI7324DP-T1-GE3
Electro-Films (EFI) / Vishay



SI7315DN-T1-GE3
Vishay Siliconix
MOSFET P-CH 150V 8.9A PPAK1212-8



SI7322DN-T1-E3
Vishay Siliconix
MOSFET N-CH 100V 18A PPAK 1212-8

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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Certifications & Memberships



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