



SI7818DN-T1-GE3

Manufacturer Part Number	SI7818DN-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SI7818DN-T1-GE3
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 150V 2.2A PPAK1212-8
Package	PowerPAK® 1212-8
Data sheet	SI7818DN.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

SI7818DN-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI7818DN-T1-GE3 datasheet/specifications on AllelcoElec.com.

Request a quote for SI7818DN-T1-GE3, please send us email: info@allelco.com

Specifications

SI7818DN-T1-GE3 Tech Specifications

SI7818DN-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	4V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Gate Charge (Qg) (Max) @ Vgs	30 nC @ 10 V
Technology	MOSFET (Metal Oxide)	FET Type	N-Channel
Supplier Device Package	PowerPAK® 1212-8	FET Feature	-
Series	TrenchFET®	Drive Voltage (Max Rds On, Min Rds On)	6V, 10V
Rds On (Max) @ Id, Vgs	135mOhm @ 3.4A, 10V	Drain to Source Voltage (Vdss)	150 V
Power Dissipation (Max)	1.5W (Ta)	Current - Continuous Drain (Id) @ 25°C	2.2A (Ta)
Package / Case	PowerPAK® 1212-8	Base Product Number	SI7818
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI7818DN-T1-GE3

Product Attribute	NO PICTURE			
Part Number	SI7818DN-T1-GE3	SI7810DN-T1-E3	SI7840BDP-T1-GE3	SI7812DN-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Gate Charge (Qg) (Max) @ Vgs	30 nC @ 10 V	17 nC @ 10 V	21 nC @ 4.5 V	24 nC @ 10 V
Vgs (Max)	±20V	±20V	±20V	±20V
Vgs(th) (Max) @ Id	4V @ 250µA	4.5V @ 250µA	3V @ 250µA	3V @ 250µA
Supplier Device Package	PowerPAK® 1212-8	PowerPAK® 1212-8	PowerPAK® SO-8	PowerPAK® 1212-8
Current - Continuous Drain (Id) @ 25°C	2.2A (Ta)	3.4A (Ta)	11A (Ta)	16A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	6V, 10V	6V, 10V	4.5V, 10V	4.5V, 10V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	PowerPAK® 1212-8	PowerPAK® 1212-8	PowerPAK® SO-8	PowerPAK® 1212-8
Power Dissipation (Max)	1.5W (Ta)	1.5W (Ta)	1.8W (Ta)	3.8W (Ta), 52W (Tc)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	150 V	100 V	30 V	75 V
FET Feature	-	-	-	-
Series	TrenchFET®	TrenchFET®	TrenchFET®	TrenchFET®
Rds On (Max) @ Id, Vgs	135mOhm @ 3.4A, 10V	62mOhm @ 5.4A, 10V	8.5mOhm @ 16.5A, 10V	37mOhm @ 7.2A, 10V
Base Product Number	SI7818	SI7810	SI7840	SI7812

SI7818DN-T1-GE3 Datasheet PDF

Download SI7818DN-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SI7818DN-T1-GE3 - Vishay Siliconix.

Datasheets














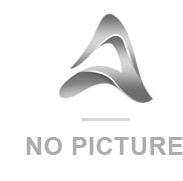




SI7818DN.pdf

PCN Assembly/Origin

New Solder Plating Site 18/Apr/2023.pdf

Customers Also Interested in

Recommended Products

					
SI7812DN-T1-GE3 MOS Electro-Films (EFI) / Vishay	SI7810DN-T1-E3 Vishay Siliconix MOSFET N-CH 100V 3.4A PPAK1212-8	SI7810DN-T1 Electro-Films (EFI) / Vishay	SI7840BDP-T1-GE3 Vishay Siliconix MOSFET N-CH 30V 11A PPAK SO-8	SI7820DN SI	SI7840BDP-T1-E3 MOS Electro-Films (EFI) / Vishay
					
SI7812DN-T1-GE3 Vishay Siliconix MOSFET N-CH 75V 16A PPAK1212-8	SI7812DN-T1-E3 Vishay Siliconix MOSFET N-CH 75V 16A PPAK1212-8	SI7810DN-T1-GE3 Vishay Siliconix MOSFET N-CH 100V 3.4A PPAK1212-8	SI7840BDP-T1-E3 Vishay Siliconix MOSFET N-CH 30V 11A PPAK SO-8	SI7840 SI	SI7810DN SI
					
SI7810DN-T1-E3 MOS Electro-Films (EFI) / Vishay	SI7840DP SI	SI7820DN-T1-GE3 Vishay Siliconix MOSFET N-CH 200V 1.7A PPAK1212-8	SI7818DN-T1-E3 Vishay Siliconix MOSFET N-CH 150V 2.2A PPAK1212-8	SI7840BDP SI	SI7820DN-T1-E3 Vishay Siliconix MOSFET N-CH 200V 1.7A PPAK1212-8

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.

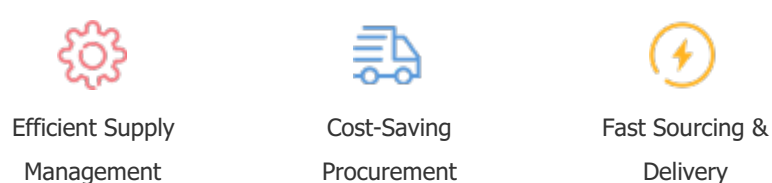
Payment Support

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

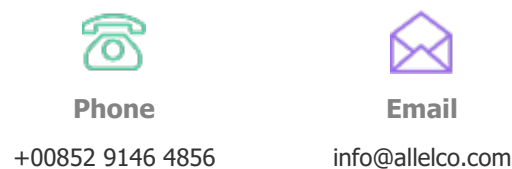
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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