



SI7848BDP-T1-GE3

Manufacturer Part Number	SI7848BDP-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SI7848BDP-T1-GE3
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 40V 47A PPAK SO-8
Package	PowerPAK® SO-8
Data sheet	SI7848BDP.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

SI7848BDP-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI7848BDP-T1-GE3 datasheet/specifications on AllelcoElec.com.
Request a quote for SI7848BDP-T1-GE3, please send us email: info@allelco.com

Specifications

SI7848BDP-T1-GE3 Tech Specifications

SI7848BDP-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	3V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	2000 pF @ 20 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	50 nC @ 10 V
Supplier Device Package	PowerPAK® SO-8	FET Type	N-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	9mOhm @ 16A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	4.2W (Ta), 36W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	PowerPAK® SO-8	Current - Continuous Drain (Id) @ 25°C	47A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SI7848

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI7848BDP-T1-GE3

Product Attribute	NO PICTURE			
Part Number	SI7848BDP-T1-GE3	SI7848DP-T1-E3	SI7850DP-T1-E3	SI7848BDP-T1-E3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Drain to Source Voltage (Vdss)	40 V	40 V	60 V	40 V
Package / Case	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Base Product Number	SI7848	SI7848	SI7850	SI7848
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
FET Feature	-	-	-	-
Input Capacitance (Ciss) (Max) @ Vds	2000 pF @ 20 V	-	-	2000 pF @ 20 V
Power Dissipation (Max)	4.2W (Ta), 36W (Tc)	1.83W (Ta)	1.8W (Ta)	4.2W (Ta), 36W (Tc)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Series	TrenchFET®	TrenchFET®	TrenchFET®	TrenchFET®
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Rds On (Max) @ Id, Vgs	9mOhm @ 16A, 10V	9mOhm @ 14A, 10V	22mOhm @ 10.3A, 10V	9mOhm @ 16A, 10V
Vgs (Max)	±20V	±20V	±20V	±20V
Vgs(th) (Max) @ Id	3V @ 250µA	3V @ 250µA	3V @ 250µA	3V @ 250µA
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Gate Charge (Qg) (Max) @ Vgs	50 nC @ 10 V	28 nC @ 5 V	27 nC @ 10 V	50 nC @ 10 V
Supplier Device Package	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Current - Continuous Drain (Id) @ 25°C	47A (Tc)	10.4A (Ta)	6.2A (Ta)	47A (Tc)

SI7848BDP-T1-GE3 Datasheet PDF

Download SI7848BDP-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SI7848BDP-T1-GE3 - Vishay Siliconix.

Datasheets

SI7848BDP.pdf

PCN Design/Specification



















Mult Dev 07/Jun/2023.pdf

New solder paste 26/May/2023.pdf

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

					
SI7846DP Electro-Films (EFI) / Vishay	SI7844DP-T1-GE3 Vishay Siliconix MOSFET 2N-CH 30V 6.4A PPAK SO-8	SI7846DP-T1-E3 MOS Electro-Films (EFI) / Vishay	SI7848DP-T1-E3 Vishay Siliconix MOSFET N-CH 40V 10.4A PPAK SO-8	SI7850DP-T1-E3 Vishay Siliconix MOSFET N-CH 60V 6.2A PPAK SO-8	SI7848DP SI
					
SI7846DP-TI Electro-Films (EFI) / Vishay	SI7848DP-T1-GE3 Electro-Films (EFI) / Vishay	SI7848BDP-T1-E3 Vishay Siliconix MOSFET N-CH 40V 47A PPAK SO-8	SI7850DP-T1-E3 MOS VISHAT	SI7850ADP-T1-GE3 Vishay Siliconix MOSFET N-CH 60V 10.3A/12A PPAK	SI7850DP SI
					
SI7846DP-T1-GE3 Vishay Siliconix MOSFET N-CH 150V 4A PPAK SO-8	SI7848BDP-T1-GE3 MOS Electro-Films (EFI) / Vishay	SI7845DP-T1-GE3 Electro-Films (EFI) / Vishay	SI7846DP-T1 Electro-Films (EFI) / Vishay	SI7848DP-T1 VIS	SI7846DP-T1-E3 Vishay Siliconix MOSFET N-CH 150V 4A 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.

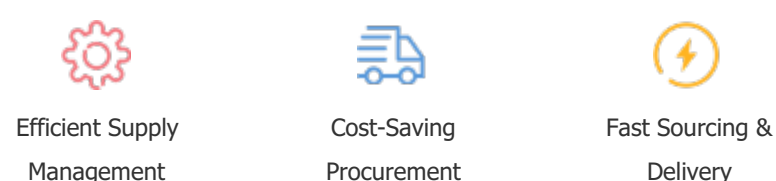
Payment Support

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

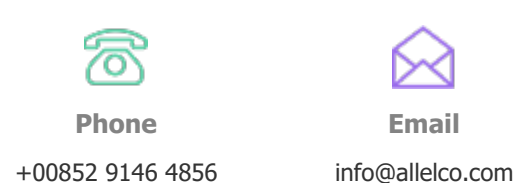
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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