





SI7164DP-T1-GE3

Manufacturer Part Number	SI7164DP-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SI7164DP-T1-GE3
ECAD Model	 PCB Footprint and Symbol
Parts Description	MOSFET N-CH 60V 60A PPAK SO-8
Package	PowerPAK® SO-8
Data sheet	SI7164DP.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

SI7164DP-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI7164DP-T1-GE3 datasheet/specifications on AllelcoElec.com.

Request a quote for SI7164DP-T1-GE3, please send us email: info@allelco.com

Specifications





SI7164DP-T1-GE3 Tech Specifications

SI7164DP-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	4.5V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	2830 pF @ 30 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	75 nC @ 10 V
Supplier Device Package	PowerPAK® SO-8	FET Type	N-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	6.25mOhm @ 10A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	6.25W (Ta), 104W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	PowerPAK® SO-8	Current - Continuous Drain (Id) @ 25°C	60A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SI7164

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI7164DP-T1-GE3

Product Attribute	 NO PICTURE			
Part Number	SI7164DP-T1-GE3	SI7157DP-T1-GE3	SI7160DP-T1-E3	SI7156DP-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Input Capacitance (Ciss) (Max) @ Vds	2830 pF @ 30 V	22000 pF @ 10 V	2970 pF @ 15 V	6900 pF @ 20 V
Vgs(th) (Max) @ Id	4.5V @ 250µA	1.4V @ 250µA	2.5V @ 250µA	3V @ 250µA
Supplier Device Package	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Drain to Source Voltage (Vdss)	60 V	20 V	30 V	40 V
Vgs (Max)	±20V	±12V	±16V	±20V
Power Dissipation (Max)	6.25W (Ta), 104W (Tc)	6.25W (Ta), 104W (Tc)	5W (Ta), 27.7W (Tc)	5.4W (Ta), 83W (Tc)
Package / Case	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Rds On (Max) @ Id, Vgs	6.25mOhm @ 10A, 10V	1.6mOhm @ 25A, 10V	8.7mOhm @ 15A, 10V	3.5mOhm @ 20A, 10V
Drive Voltage (Max Rds On, Min Rds On)	10V	2.5V, 10V	4.5V, 10V	4.5V, 10V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Series	TrenchFET®	TrenchFET®	TrenchFET®	TrenchFET®
Gate Charge (Qg) (Max) @ Vgs	75 nC @ 10 V	625 nC @ 10 V	66 nC @ 10 V	155 nC @ 10 V
FET Type	N-Channel	P-Channel	N-Channel	N-Channel
FET Feature	-	-	-	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Base Product Number	SI7164	SI7157	SI7160	SI7156
Current - Continuous Drain (Id) @ 25°C	60A (Tc)	60A (Tc)	20A (Tc)	50A (Tc)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount


SI7164DP-T1-GE3 Datasheet PDF


Download SI7164DP-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SI7164DP-T1-GE3 - Vishay Siliconix.

Datasheets


SI7164DP.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

SI7170DP SI	SI7157DP-T1-GE3 Vishay Siliconix MOSFET P-CH 20V 60A PPAK SO-8	SI7160DP-T1-E3 Vishay Siliconix MOSFET N-CH 30V 20A PPAK SO-8	SI7166DP-T1-GE3 Electro-Films (EFI) / Vishay	SI7174DP Electro-Films (EFI) / Vishay	SI7156DP-T1-GE3 Vishay Siliconix MOSFET N-CH 40V 50A PPAK SO-8
SI7172ADP-T1-GE3 Electro-Films (EFI) / Vishay	SI7172DP-T1-GE3 Vishay Siliconix MOSFET N-CH 200V 25A PPAK SO-8	SI7160DP-T1-GE3 Vishay Siliconix MOSFET N-CH 30V 20A PPAK SO-8	SI7159DP-T1-E3 Electro-Films (EFI) / Vishay	SI7156DP-T1-E3 Vishay Siliconix MOSFET N-CH 40V 50A PPAK SO-8	SI7170DP-T1-GE3 Vishay Siliconix MOSFET N-CH 30V 40A PPAK SO-8
SI7170DP-T1-GE3 MOS Electro-Films (EFI) / Vishay	SI7172DP SI	SI7159DP-T1-GE3 Vishay Siliconix MOSFET P-CH 30V 30A PPAK SO-8	SI7170DP-T1-E3 Electro-Films (EFI) / Vishay	SI7164DP-T1-GE3 MOS Electro-Films (EFI) / Vishay	SI7160DP SI

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.

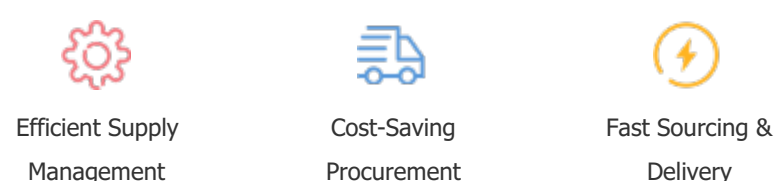
Payment Support

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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