



SI7852ADP-T1-GE3

Manufacturer Part Number	SI7852ADP-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SI7852ADP-T1-GE3
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 80V 30A PPAK SO-8
Package	PowerPAK® SO-8
Data sheet	SI7852ADP.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

SI7852ADP-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI7852ADP-T1-GE3 datasheet/specifications on AllelcoElec.com.
Request a quote for SI7852ADP-T1-GE3, please send us email: info@allelco.com

Specifications

SI7852ADP-T1-GE3 Tech Specifications

SI7852ADP-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	1825 pF @ 40 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	45 nC @ 10 V
Supplier Device Package	PowerPAK® SO-8	FET Type	N-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	17mOhm @ 10A, 10V	Drive Voltage (Max Rds On, Min Rds On)	8V, 10V
Power Dissipation (Max)	5W (Ta), 62.5W (Tc)	Drain to Source Voltage (Vdss)	80 V
Package / Case	PowerPAK® SO-8	Current - Continuous Drain (Id) @ 25°C	30A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SI7852

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI7852ADP-T1-GE3

Product Attribute	NO PICTURE			
Part Number	SI7852ADP-T1-GE3	SI7850DP-T1-E3	SI7850DP-T1-GE3	SI7852DP-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Input Capacitance (Ciss) (Max) @ Vds	1825 pF @ 40 V	-	-	-
Base Product Number	SI7852	SI7850	SI7850	SI7852
Current - Continuous Drain (Id) @ 25°C	30A (Tc)	6.2A (Ta)	6.2A (Ta)	7.6A (Ta)
Vgs (Max)	±20V	±20V	±20V	±20V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Drive Voltage (Max Rds On, Min Rds On)	8V, 10V	4.5V, 10V	4.5V, 10V	6V, 10V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Supplier Device Package	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Gate Charge (Qg) (Max) @ Vgs	45 nC @ 10 V	27 nC @ 10 V	27 nC @ 10 V	41 nC @ 10 V
Series	TrenchFET®	TrenchFET®	TrenchFET®	TrenchFET®
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)
Power Dissipation (Max)	5W (Ta), 62.5W (Tc)	1.8W (Ta)	1.8W (Ta)	1.9W (Ta)
Drain to Source Voltage (Vdss)	80 V	60 V	60 V	80 V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Rds On (Max) @ Id, Vgs	17mOhm @ 10A, 10V	22mOhm @ 10.3A, 10V	22mOhm @ 10.3A, 10V	16.5mOhm @ 10A, 10V
Vgs(th) (Max) @ Id	4.5V @ 250µA	3V @ 250µA	3V @ 250µA	2V @ 250µA (Min)
Package / Case	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
FET Feature	-	-	-	-

SI7852ADP-T1-GE3 Datasheet PDF

Download SI7852ADP-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SI7852ADP-T1-GE3 - Vishay Siliconix.

Datasheets



















SI7852ADP.pdf

PCN Assembly/Origin

New Solder Plating Site 18/Apr/2023.pdf

Customers Also Interested in

Recommended Products

 SI7852DP-T1-GE3 MOS Electro-Films (EFI) / Vishay	 SI7850DP-T1-E3 Vishay Siliconix MOSFET N-CH 60V 6.2A PPAK SO-8	 SI7852DP-T1 Electro-Films (EFI) / Vishay	 SI7850DP-T1-GE3 Vishay Siliconix MOSFET N-CH 60V 6.2A PPAK SO-8	 SI7852DP-T1-GE3 Vishay Siliconix MOSFET N-CH 80V 7.6A PPAK SO-8	 SI7856ADP SI
 SI7856ADP-T1-E3 Vishay Siliconix MOSFET N-CH 30V 15A PPAK SO-8	 SI7852ADP-T1-E3 MOS Electro-Films (EFI) / Vishay	 SI7852DP-T1-E3 Vishay Siliconix MOSFET N-CH 80V 7.6A PPAK SO-8	 SI7850DP SI	 SI7856ADP-T1-GE3 Vishay Siliconix MOSFET N-CH 30V 15A PPAK SO-8	 SI7852DP-T1-E3 MOS VISHAT
 SI7852ADP SI	 SI7850DP-T1-E3 MOS VISHAT	 SI7852ADP-T1-E3 Vishay Siliconix MOSFET N-CH 80V 30A PPAK SO-8	 SI7850ADP-T1-GE3 Vishay Siliconix MOSFET N-CH 60V 10.3A/12A PPAK	 SI7852DP SI	 SI7850DP-T1-GE3 MOS Electro-Films (EFI) / Vishay

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 -

-  Efficient Supply Management
-  Cost-Saving Procurement
-  Fast Sourcing & Delivery

Contact us if you have any questions.

-  Phone
+00852 9146 4856
-  Email
info@allelco.com

Certifications & Memberships



[View More](#)