

Image may be representation.
See specifications for product details.



SIC780CD-T1-GE3

Manufacturer Part Number	SIC780CD-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SIC780CD-T1-GE3
ECAD Model	3D Model
Parts Description	IC HALF BRIDGE DRIVER 50A PPAK
Package	PowerPAK® MLP66-40
Data sheet	SiC780(A).pdf
RoHs Status	ROHS3 Compliant

Get a Quote

SIC780CD-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SIC780CD-T1-GE3 datasheet/specifications on AllelcoElec.com. Request a quote for SIC780CD-T1-GE3, please send us email: info@allelco.com

Specifications

SIC780CD-T1-GE3 Tech Specifications
SIC780CD-T1-GE3 - Vishay Siliconix technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Vishay / Siliconix	Operating Temperature	-40°C ~ 150°C (TJ)
Voltage - Supply	4.5V ~ 5.5V	Mounting Type	Surface Mount
Voltage - Load	4.5V ~ 18V	Load Type	Inductive
Technology	DrMOS	Interface	PWM
Supplier Device Package	PowerPAK® MLP66-40	Features	Bootstrap Circuit, Diode Emulation, Status Flag
Series	-	Fault Protection	Over Temperature, Shoot-Through, UVLO
Rds On (Typ)	-	Current - Peak Output	-
Package / Case	PowerPAK® MLP66-40	Current - Output / Channel	50A
Package	Tape & Reel (TR)	Base Product Number	SIC780
Output Configuration	Half Bridge	Applications	Synchronous Buck Converters

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SIC780CD-T1-GE3

Product Attribute				
Part Number	SIC780CD-T1-GE3	SIC789ACD-T1-GE3	SIC762CD-T1-GE3	SIC780ACD-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Current - Peak Output	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Load	4.5V ~ 18V	4.5V ~ 18V	3V ~ 24V	4.5V ~ 18V
Supplier Device Package	PowerPAK® MLP66-40	PowerPAK® MLP66-40	PowerPAK® MLP66-40	PowerPAK® MLP66-40
Fault Protection	Over Temperature, Shoot-Through, UVLO	Shoot-Through, UVLO	Over Temperature, Shoot-Through, UVLO	Over Temperature, Shoot-Through, UVLO
Applications	Synchronous Buck Converters	Synchronous Buck Converters	Synchronous Buck Converters	Synchronous Buck Converters
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Features	Bootstrap Circuit, Diode Emulation, Status Flag	Bootstrap Circuit, Diode Emulation, Status Flag	Bootstrap Circuit, Diode Emulation, Status Flag	Bootstrap Circuit, Diode Emulation, Status Flag
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Technology	DrMOS	Power MOSFET	DrMOS	DrMOS
Voltage - Supply	4.5V ~ 5.5V	4.5V ~ 5.5V	4.5V ~ 5.5V	4.5V ~ 5.5V
Current - Output / Channel	50A	60A	35A	50A
Rds On (Typ)	-	-	-	-
Package / Case	PowerPAK® MLP66-40	PowerPAK® MLP66-40	PowerPAK® MLP66-40	PowerPAK® MLP66-40
Interface	PWM	PWM	PWM	PWM
Base Product Number	SIC780	SIC789	SIC762	SIC780
Load Type	Inductive	Inductive	Inductive	Inductive
Output Configuration	Half Bridge	Half Bridge	Half Bridge	Half Bridge
Series	-	VRPower®	-	-

SIC780CD-T1-GE3 Datasheet PDF

Download SIC780CD-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SIC780CD-T1-GE3 - Vishay Siliconix.

Datasheets

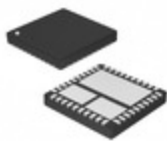

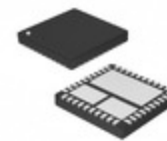
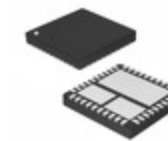

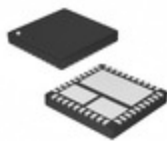

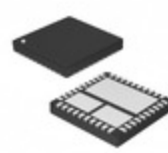


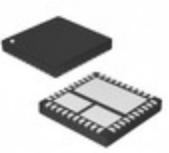

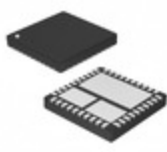
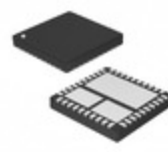

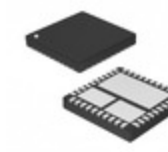

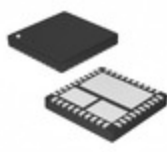
[SiC780\(A\).pdf](#)

PCN Assembly/Origin

[Mult Dev 25/Jan/2023.pdf](#)

Customers Also Interested in

Recommended Products

					
SIC789ACD-T1-GE3 Vishay Siliconix IC HALF BRIDGE DRIVER 60A PPAK	SIC7305A01-EOXO AMI Semiconductor/onsemi	SIC762CD-T1-GE3 Vishay Siliconix IC HALF BRIDGE DRIVER 35A PPAK	SIC780ACD-T1-GE3 Vishay Siliconix IC HALF BRIDGE DRIVER 50A PPAK	SIC7900 SILICONCRAFT	SIC781CD-T1-GE3 Vishay Siliconix IC HALF BRIDGE DRIVER 50A PPAK
					
SIC9522 SIS	SIC779CD-T1-GE3 Vishay Siliconix IC HALF BRIDGE DRIVER 40A PPAK	SIC9552	SIC832AED-T1-GE3 Electro-Films (EFI) / Vishay	SIC789CD-T1-GE3 Vishay Siliconix IC HALF BRIDGE DRIVER 60A PPAK	SIC7901A-TS5 SIC
					
SIC769ACD-T1-GE3 Vishay Siliconix IC HALF BRIDGE DRIVER 35A PPAK	SIC788ACD-T1-GE3 Vishay Siliconix IC HALF BRIDGE DRIVER 50A PPAK	SIC7309X01-E0R0 Samsay Semiconductor	SIC788CD-T1-GE3 Vishay Siliconix IC HALF BRIDGE DRIVER 50A PPAK	SIC7309X01 Samsung Semiconductor	SIC769CD-T1-E3 Vishay Siliconix IC HALF BRIDGE DRIVER 35A PPAK

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.

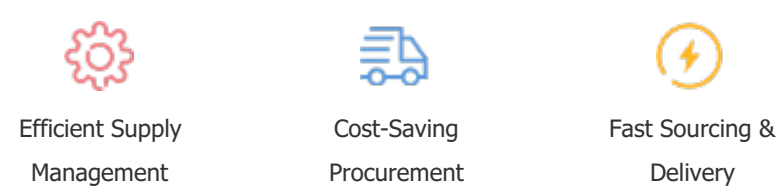
Payment Support

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

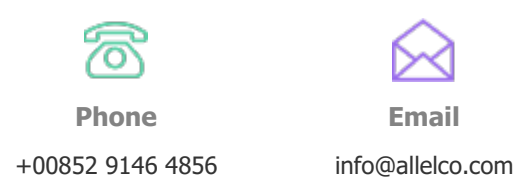
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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