

Image may be representation.
See specifications for product details.



SI4401BDY-T1-GE3

Manufacturer Part Number	SI4401BDY-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SI4401BDY-T1-GE3
ECAD Model	Request Free CAD Models
Parts Description	MOSFET P-CH 40V 8.7A 8SO
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	Si4401BDY.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

SI4401BDY-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI4401BDY-T1-GE3 datasheet/specifications on AllelcoElec.com.
Request a quote for SI4401BDY-T1-GE3, please send us email: info@allelco.com

Specifications

SI4401BDY-T1-GE3 Tech Specifications
SI4401BDY-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	Gate Charge (Qg) (Max) @ Vgs	55 nC @ 5 V
Technology	MOSFET (Metal Oxide)	FET Type	P-Channel
Supplier Device Package	8-SOIC	FET Feature	-
Series	TrenchFET®	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Rds On (Max) @ Id, Vgs	14mOhm @ 10.5A, 10V	Drain to Source Voltage (Vdss)	40 V
Power Dissipation (Max)	1.5W (Ta)	Current - Continuous Drain (Id) @ 25°C	8.7A (Ta)
Package / Case	8-SOIC (0.154", 3.90mm Width)	Base Product Number	SI4401
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI4401BDY-T1-GE3

Product Attribute				
Part Number	SI4401BDY-T1-GE3	SI4401BDY-T1-E3	SI4401FDY-T1-GE3	SI4401DY-T1-E3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)
Drain to Source Voltage (Vdss)	40 V	40 V	40 V	40 V
Current - Continuous Drain (Id) @ 25°C	8.7A (Ta)	8.7A (Ta)	9.9A (Ta), 14A (Tc)	8.7A (Ta)
Base Product Number	SI4401	SI4401	SI4401	SI4401
Supplier Device Package	8-SOIC	8-SOIC	8-SO	8-SOIC
Vgs(th) (Max) @ Id	3V @ 250µA	3V @ 250µA	2.3V @ 250µA	1V @ 250µA (Min)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
FET Feature	-	-	-	-
Gate Charge (Qg) (Max) @ Vgs	55 nC @ 5 V	55 nC @ 5 V	100 nC @ 10 V	50 nC @ 5 V
Power Dissipation (Max)	1.5W (Ta)	1.5W (Ta)	2.5W (Ta), 5W (Tc)	1.5W (Ta)
Series	TrenchFET®	TrenchFET®	TrenchFET® Gen III	TrenchFET®
Vgs (Max)	±20V	±20V	±20V	±20V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Rds On (Max) @ Id, Vgs	14mOhm @ 10.5A, 10V	14mOhm @ 10.5A, 10V	14.2mOhm @ 10A, 10V	15.5mOhm @ 10.5A, 10V
FET Type	P-Channel	P-Channel	P-Channel	P-Channel
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)

SI4401BDY-T1-GE3 Datasheet PDF

Download SI4401BDY-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SI4401BDY-T1-GE3 - Vishay Siliconix.

Datasheets



















[Si4401BDY.pdf](#)

PCN Assembly/Origin

[New Solder Plating Site 18/Apr/2023.pdf](#)

Customers Also Interested in

Recommended Products

					
SI4401BDY-T1-E3 MOS Electro-Films (EFI) / Vishay	SI4401FDY Electro-Films (EFI) / Vishay	SI4401BDY-T1-E3 Vishay Siliconix MOSFET P-CH 40V 8.7A 850	SI4401DY SI	SI4401DDY-T1-E3 Electro-Films (EFI) / Vishay	SI4401DY-T1 Electro-Films (EFI) / Vishay
					
SI4401FDY-T1-GE3 Vishay Siliconix MOSFET P-CH 40V 9.9A/14A 850	SI4394DY-T1-E3 Electro-Films (EFI) / Vishay	SI4401DY-T1-E3 Vishay Siliconix MOSFET P-CH 40V 8.7A 850	SI4401BDY SI	SI4396DY VIS	SI4394DY Electro-Films (EFI) / Vishay
					
SI4403BDY SI	SI4398DY-T1-E3 Vishay Siliconix MOSFET N-CH 20V 19A 850	SI4401DDY Electro-Films (EFI) / Vishay	SI4396DY-T1-E3 Vishay Siliconix MOSFET N-CH 30V 16A 850	SI4401DDY-T1-GE3 Vishay Siliconix MOSFET P-CH 40V 16.1A 850	SI4401DY-T1-GE3 Vishay Siliconix MOSFET P-CH 40V 8.7A 850

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.

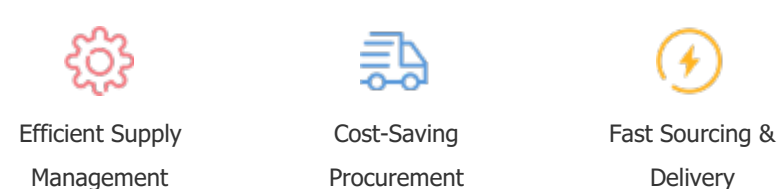
Contact us if you have any questions.

Payment Support

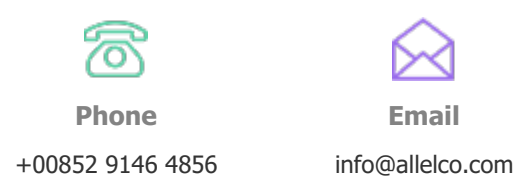
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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