



Image may be representation.
See specifications for product details.



SI4866DY-T1-E3

Manufacturer Part Number	SI4866DY-T1-E3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SI4866DY-T1-E3
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 12V 11A 8SO
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	SI4866DY.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

SI4866DY-T1-E3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI4866DY-T1-E3 datasheet/specifications on AllelcoElec.com.
Request a quote for SI4866DY-T1-E3, please send us email: info@allelco.com

Specifications

SI4866DY-T1-E3 Tech Specifications
SI4866DY-T1-E3 - 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	600mV @ 250µA (Min)	Mounting Type	Surface Mount
Vgs (Max)	±8V	Gate Charge (Qg) (Max) @ Vgs	30 nC @ 4.5 V
Technology	MOSFET (Metal Oxide)	FET Type	N-Channel
Supplier Device Package	8-SOIC	FET Feature	-
Series	TrenchFET®	Drive Voltage (Max Rds On, Min Rds On)	2.5V, 4.5V
Rds On (Max) @ Id, Vgs	5.5mOhm @ 17A, 4.5V	Drain to Source Voltage (Vdss)	12 V
Power Dissipation (Max)	1.6W (Ta)	Current - Continuous Drain (Id) @ 25°C	11A (Ta)
Package / Case	8-SOIC (0.154", 3.90mm Width)	Base Product Number	SI4866
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI4866DY-T1-E3

Product Attribute				
Part Number	SI4866DY-T1-E3	SI4864DY-T1-E3	SI4874BDY-T1-E3	SI4866BDY-T1-E3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Current - Continuous Drain (Id) @ 25°C	11A (Ta)	17A (Ta)	12A (Ta)	21.5A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	2.5V, 4.5V	2.5V, 4.5V	4.5V, 10V	1.8V, 4.5V
Rds On (Max) @ Id, Vgs	5.5mOhm @ 17A, 4.5V	3.5mOhm @ 25A, 4.5V	7mOhm @ 16A, 10V	5.3mOhm @ 12A, 4.5V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Power Dissipation (Max)	1.6W (Ta)	1.6W (Ta)	1.6W (Ta)	4.45W (Tc)
Vgs(th) (Max) @ Id	600mV @ 250µA (Min)	2V @ 250µA	3V @ 250µA	1V @ 250µA
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)
Gate Charge (Qg) (Max) @ Vgs	30 nC @ 4.5 V	70 nC @ 4.5 V	25 nC @ 4.5 V	80 nC @ 4.5 V
Series	TrenchFET®	TrenchFET®	TrenchFET®	TrenchFET®
FET Feature	-	-	-	-
Supplier Device Package	8-SOIC	8-SOIC	8-SOIC	8-SOIC
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Drain to Source Voltage (Vdss)	12 V	20 V	30 V	12 V
Vgs (Max)	±8V	±8V	±20V	±8V
Base Product Number	SI4866	SI4864	SI4874	SI4866

SI4866DY-T1-E3 Datasheet PDF

Download SI4866DY-T1-E3 pdf datasheets and Vishay Siliconix documentation for SI4866DY-T1-E3 - Vishay Siliconix.

Datasheets

SI4866DY.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



SI4866
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SI4864DY-T1-E3 MOS
Electro-Films (EFI) / Vishay



SI4866DY-T1-E3 MOS
Electro-Films (EFI) / Vishay



SI4864DY-T1-E3
Vishay Siliconix
MOSFET N-CH 20V 17A 8SO



SI4874BDY-T-E3
Electro-Films (EFI) / Vishay



SI4866DY-T1
SI



SI4872DY-T1-E3
Electro-Films (EFI) / Vishay



SI4872DY
Electro-Films (EFI) / Vishay



SI4874BDY-T1-E3 MOS
Electro-Films (EFI) / Vishay



SI4864DY-T1-E3.
Electro-Films (EFI) / Vishay



SI4874BDY-T1-E3
Vishay Siliconix
MOSFET N-CH 30V 12A 8SO



SI4866BDY-T1-E3
Vishay Siliconix
MOSFET N-CH 12V 21.5A 8SO



SI4874BDY
Electro-Films (EFI) / Vishay



SI4866BDY
Electro-Films (EFI) / Vishay



SI4862DY-T1-E3 MOS
Electro-Films (EFI) / Vishay



SI4866BDY-T1-GE3
Vishay Siliconix
MOSFET N-CH 12V 21.5A 8SO



SI4874DY-T1
Electro-Films (EFI) / Vishay



SI4866DY
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 -



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



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