

Image may be representation.
See specifications for product details.



SI4618DY-T1-E3

Manufacturer Part Number	SI4618DY-T1-E3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SI4618DY-T1-E3
ECAD Model	Request Free CAD Models
Parts Description	MOSFET 2N-CH 30V 8A 8-SOIC
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	SI4618DY-T1-(G)E3.pdf
RoHs Status	ROHS3 Compliant

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SI4618DY-T1-E3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI4618DY-T1-E3 datasheet/specifications on AllelcoElec.com.
Request a quote for SI4618DY-T1-E3, please send us email: info@allelco.com

Specifications

SI4618DY-T1-E3 Tech Specifications
SI4618DY-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	2.5V @ 1mA	Mounting Type	Surface Mount
Technology	MOSFET (Metal Oxide)	Input Capacitance (Ciss) (Max) @ Vds	1535pF @ 15V
Supplier Device Package	8-SOIC	Gate Charge (Qg) (Max) @ Vgs	44nC @ 10V
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	17mOhm @ 8A, 10V	Drain to Source Voltage (Vdss)	30V
Power - Max	1.98W, 4.16W	Current - Continuous Drain (Id) @ 25°C	8A, 15.2A
Package / Case	8-SOIC (0.154", 3.90mm Width)	Configuration	2 N-Channel (Half Bridge)
Package	Tape & Reel (TR)	Base Product Number	SI4618

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI4618DY-T1-E3

Product Attribute				
Part Number	SI4618DY-T1-E3	SI4618DY-T1-GE3	SI4599DY-T1-GE3	SI4622DY-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Base Product Number	SI4618	SI4618	SI4599	SI4622
Series	TrenchFET®	TrenchFET®	TrenchFET®	SkyFET®, TrenchFET®
Power - Max	1.98W, 4.16W	1.98W, 4.16W	3W, 3.1W	3.3W, 3.1W
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Input Capacitance (Ciss) (Max) @ Vds	1535pF @ 15V	1535pF @ 15V	640pF @ 20V	2458pF @ 15V
Rds On (Max) @ Id, Vgs	17mOhm @ 8A, 10V	17mOhm @ 8A, 10V	35.5mOhm @ 5A, 10V	16mOhm @ 9.6A, 10V
Vgs(th) (Max) @ Id	2.5V @ 1mA	2.5V @ 1mA	3V @ 250µA	2.5V @ 1mA
Gate Charge (Qg) (Max) @ Vgs	44nC @ 10V	44nC @ 10V	20nC @ 10V	60nC @ 10V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	30V	30V	40V	30V
FET Feature	-	-	Logic Level Gate	-
Configuration	2 N-Channel (Half Bridge)	2 N-Channel (Half Bridge)	N and P-Channel	2 N-Channel (Dual)
Supplier Device Package	8-SOIC	8-SOIC	8-SOIC	8-SOIC
Current - Continuous Drain (Id) @ 25°C	8A, 15.2A	8A, 15.2A	6.8A, 5.8A	8A
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)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)

SI4618DY-T1-E3 Datasheet PDF

Download SI4618DY-T1-E3 pdf datasheets and Vishay Siliconix documentation for SI4618DY-T1-E3 - Vishay Siliconix.

Datasheets

[SI4618DY-T1-\(G\)E3.pdf](#)

PCN Obsolescence/ EOL

[Mult Mosfet EOL 30/Aug/2018.pdf](#)

Customers Also Interested in

Recommended Products



SI4618DY-T1-GE3
Vishay Siliconix
MOSFET 2N-CH 30V 8A 8SO

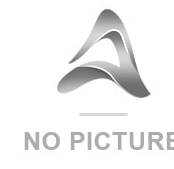
SI4620DY-T1-E3 MOS
Electro-Films (EFI) / Vishay

SI4599DY-T1-GE3
Vishay Siliconix
MOSFET N/P-CH 40V 6.8A 8SOIC

SI4618DY
SI

SI4618DY-T1-E3 MOS
Electro-Films (EFI) / Vishay

SI4574DY-T1-E3
VBSEMI



SI4620DY
SI

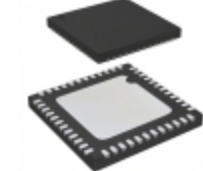
SI4622DY-T1-GE3
Vishay Siliconix
MOSFET 2N-CH 30V 8A 8-SOIC

SI4621DY-T1-E3
Vishay Siliconix
MOSFET P-CH 20V 6.2A 8SO

SI4599DY
Electro-Films (EFI) / Vishay

SI4590DY-T1
SILICONIX

SI4599DY-T1-E3
Electro-Films (EFI) / Vishay



SI4620DY-T1-E3
Vishay Siliconix
MOSFET N-CH 30V 6A/7.5A 8SO

SI4606
SI

SI4590DY-T1-GE3
Vishay Siliconix
MOSFET N/P CHAN 100V SO8 DUAL

SI4613-A10-GMR
Skyworks Solutions Inc.
RF RECEIVER AM/FM 48QFN

SI4622DY-T1-E3
Vishay Siliconix
MOSFET 2N-CH 30V 8A 8-SOIC

SI4599DY-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,
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