

Image may be representation.
See specifications for product details.



SI3446ADV-T1-GE3

Manufacturer Part Number	SI3446ADV-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SI3446ADV-T1-GE3
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 20V 6A 6TSOP
Package	SOT-23-6 Thin, TSOT-23-6
Data sheet	SI3446ADV-T1-GE3.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

SI3446ADV-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI3446ADV-T1-GE3 datasheet/specifications on AllelcoElec.com.
Request a quote for SI3446ADV-T1-GE3, please send us email: info@allelco.com

Specifications

SI3446ADV-T1-GE3 Tech Specifications
SI3446ADV-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	1.8V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±12V	Input Capacitance (Ciss) (Max) @ Vds	640 pF @ 10 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	20 nC @ 10 V
Supplier Device Package	6-TSOP	FET Type	N-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	37mOhm @ 5.8A, 4.5V	Drive Voltage (Max Rds On, Min Rds On)	2.5V, 4.5V
Power Dissipation (Max)	2W (Ta), 3.2W (Tc)	Drain to Source Voltage (Vdss)	20 V
Package / Case	SOT-23-6 Thin, TSOT-23-6	Current - Continuous Drain (Id) @ 25°C	6A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SI3446

Parts with Similar Specifications

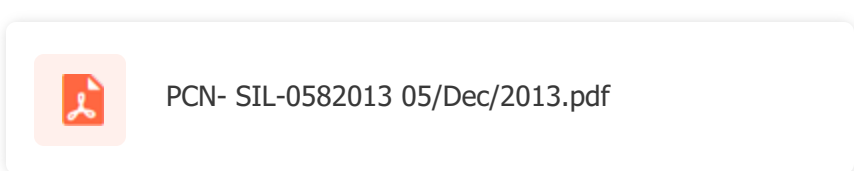
The three parts on the right have similar specifications to Vishay Siliconix SI3446ADV-T1-GE3

Product Attribute				
Part Number	SI3446ADV-T1-GE3	SI3445DV-T1-GE3	SI3445ADV-T1-E3	SI3445DV-T1-E3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Package / Case	SOT-23-6 Thin, TSOT-23-6	SOT-23-6 Thin, TSOT-23-6	SOT-23-6 Thin, TSOT-23-6	SOT-23-6 Thin, TSOT-23-6
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Vgs(th) (Max) @ Id	1.8V @ 250µA	1V @ 250µA	1V @ 250µA	1V @ 250µA
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
FET Feature	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	TrenchFET®	TrenchFET®	-	TrenchFET®
Power Dissipation (Max)	2W (Ta), 3.2W (Tc)	2W (Ta)	1.1W (Ta)	2W (Ta)
Drain to Source Voltage (Vdss)	20 V	8 V	8 V	8 V
Gate Charge (Qg) (Max) @ Vgs	20 nC @ 10 V	25 nC @ 4.5 V	19 nC @ 4.5 V	25 nC @ 4.5 V
Base Product Number	SI3446	SI3445	SI3445	SI3445
Input Capacitance (Ciss) (Max) @ Vds	640 pF @ 10 V	-	-	-
Rds On (Max) @ Id, Vgs	37mOhm @ 5.8A, 4.5V	42mOhm @ 5.6A, 4.5V	42mOhm @ 5.8A, 4.5V	42mOhm @ 5.6A, 4.5V
Supplier Device Package	6-TSOP	6-TSOP	6-TSOP	6-TSOP
FET Type	N-Channel	P-Channel	P-Channel	P-Channel
Drive Voltage (Max Rds On, Min Rds On)	2.5V, 4.5V	1.8V, 4.5V	1.8V, 4.5V	1.8V, 4.5V
Current - Continuous Drain (Id) @ 25°C	6A (Tc)	5.6A (Ta)	4.4A (Ta)	5.6A (Ta)
Vgs (Max)	±12V	±8V	±8V	±8V

SI3446ADV-T1-GE3 Datasheet PDF

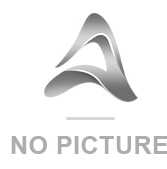
Download SI3446ADV-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SI3446ADV-T1-GE3 - Vishay Siliconix.

PCN Obsolescence/ EOL



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SI3446DV-TI-E3
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SI3446DV
Electro-Films (EFI) / Vishay

SI3445ADV-T1
Electro-Films (EFI) / Vishay



SI3445DV-T1
SI

SI3443DV_NL
Fairchild (onsemi)

SI3445DV-T1-GE3
Vishay Siliconix
MOSFET P-CH 8V 6TSOP

SI3446DV-T1
Electro-Films (EFI) / Vishay

SI3446DV-T1-E3
Electro-Films (EFI) / Vishay

SI3445ADV-T1-E3
Vishay Siliconix
MOSFET P-CH 8V 4.4A 6TSOP



SI3445DV-T1-E3
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MOSFET P-CH 8V 6TSOP

SI3445DV
Fairchild Semiconductor
P-CHANNEL MOSFET

SI3447BDV-T1-E3
Vishay Siliconix
MOSFET P-CH 12V 4.5A 6TSOP

SI3446ADV-T1
Electro-Films (EFI) / Vishay

SI3446ADV-T1-E3
Vishay Siliconix
MOSFET N-CH 20V 6A 6TSOP

SI3446BDV-T1-GE3
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.



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