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See specifications for product details.



SI3438DV-T1-GE3

Manufacturer Part Number	SI3438DV-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SI3438DV-T1-GE3
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 40V 7.4A 6TSOP
Package	SOT-23-6 Thin, TSOT-23-6
Data sheet	SI3438DV.pdf
RoHs Status	ROHS3 Compliant

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SI3438DV-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI3438DV-T1-GE3 datasheet/specifications on AllelcoElec.com. Request a quote for SI3438DV-T1-GE3, please send us email: info@allelco.com

Specifications

SI3438DV-T1-GE3 Tech Specifications

SI3438DV-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	Input Capacitance (Ciss) (Max) @ Vds	640 pF @ 20 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	35.5mOhm @ 5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	2W (Ta), 3.5W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	SOT-23-6 Thin, TSOT-23-6	Current - Continuous Drain (Id) @ 25°C	7.4A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SI3438

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI3438DV-T1-GE3

Product Attribute				
Part Number	SI3438DV-T1-GE3	SI3440DV-T1-GE3	SI3440ADV-T1-GE3	SI3434DV-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)
Current - Continuous Drain (Id) @ 25°C	7.4A (Tc)	1.2A (Ta)	2.2A (Tc)	4.6A (Ta)
Supplier Device Package	6-TSOP	6-TSOP	6-TSOP	6-TSOP
Series	TrenchFET®	TrenchFET®	TrenchFET®	TrenchFET®
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Gate Charge (Qg) (Max) @ Vgs	20 nC @ 10 V	8 nC @ 10 V	4 nC @ 10 V	12 nC @ 4.5 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	6V, 10V	7.5V, 10V	2.5V, 4.5V
Power Dissipation (Max)	2W (Ta), 3.5W (Tc)	1.14W (Ta)	3.6W (Tc)	1.14W (Ta)
Vgs(th) (Max) @ Id	3V @ 250µA	4V @ 250µA	4V @ 250µA	600mV @ 1mA (Min)
Vgs (Max)	±20V	±20V	±20V	±12V
Input Capacitance (Ciss) (Max) @ Vds	640 pF @ 20 V	-	80 pF @ 75 V	-
Rds On (Max) @ Id, Vgs	35.5mOhm @ 5A, 10V	375mOhm @ 1.5A, 10V	380mOhm @ 1.5A, 10V	34mOhm @ 6.1A, 4.5V
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
FET Feature	-	-	-	-
Drain to Source Voltage (Vdss)	40 V	150 V	150 V	30 V
Base Product Number	SI3438	SI3440	SI3440	SI3434

SI3438DV-T1-GE3 Datasheet PDF

Download SI3438DV-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SI3438DV-T1-GE3 - Vishay Siliconix.

Datasheets


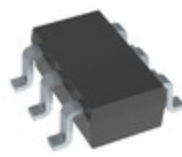



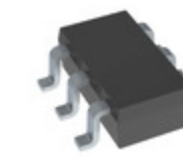


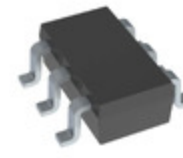
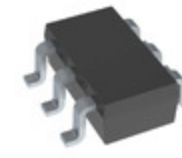

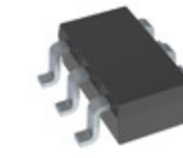




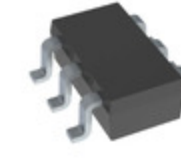
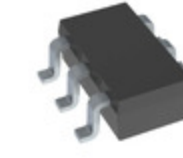
[SI3438DV.pdf](#)

PCN Assembly/Origin

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

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Recommended Products

 SI3437DV-T1-GE3 MOS Electro-Films (EFI) / Vishay	 SI3440DV-T1-GE3 Vishay Siliconix MOSFET N-CH 150V 1.2A 6TSOP	 SI3435DV-T1-GE3 Electro-Films (EFI) / Vishay	 SI3440DV Electro-Films (EFI) / Vishay	 SI3440DV-T1-GE3 MOS Electro-Films (EFI) / Vishay	 SI3440ADV-T1-GE3 Vishay Siliconix MOSFET N-CH 150V 2.2A 6TSOP
 SI3435DV-T1-GE3 MOS Electro-Films (EFI) / Vishay	 SI3438DV-T1-GE3 MOS Electro-Films (EFI) / Vishay	 SI3434DV-T1-E3 Vishay Siliconix MOSFET N-CH 30V 4.6A 6TSOP	 SI3434DV-T1-GE3 Vishay Siliconix MOSFET N-CH 30V 4.6A 6TSOP	 SI3441BDV-T1 Electro-Films (EFI) / Vishay	 SI3438DV-T1-E3 Vishay Siliconix MOSFET N-CH 40V 7.4A 6TSOP
 SI3440DV-T1-E3 Vishay Siliconix MOSFET N-CH 150V 1.2A 6TSOP	 SI3435DV-T1-E3 Electro-Films (EFI) / Vishay	 SI3440DV-T1-E3 MOS Electro-Films (EFI) / Vishay	 SI3435DV-T1 Electro-Films (EFI) / Vishay	 SI3437DV-T1-E3 Vishay Siliconix MOSFET P-CH 150V 1.4A 6TSOP	 SI3437DV-T1-GE3 Vishay Siliconix MOSFET P-CH 150V 1.4A 6TSOP

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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