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See specifications for product details.



SI3459BDV-T1-E3

Manufacturer Part Number	SI3459BDV-T1-E3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SI3459BDV-T1-E3
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET P-CH 60V 2.9A 6TSOP
Package	SOT-23-6 Thin, TSOT-23-6
Data sheet	SI3459BDV.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

SI3459BDV-T1-E3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI3459BDV-T1-E3 datasheet/specifications on AllelcoElec.com. Request a quote for SI3459BDV-T1-E3, please send us email: info@allelco.com

Specifications

SI3459BDV-T1-E3 Tech Specifications
SI3459BDV-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	3V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	350 pF @ 30 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	12 nC @ 10 V
Supplier Device Package	6-TSOP	FET Type	P-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	216mOhm @ 2.2A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	3.3W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	SOT-23-6 Thin, TSOT-23-6	Current - Continuous Drain (Id) @ 25°C	2.9A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SI3459

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI3459BDV-T1-E3

Product Attribute				
Part Number	SI3459BDV-T1-E3	SI3458BDV-T1-GE3	SI3459DV-T1-E3	SI3458DV-T1-E3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Series	TrenchFET®	TrenchFET®	TrenchFET®	TrenchFET®
Drain to Source Voltage (Vdss)	60 V	60 V	60 V	60 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	6-TSOP	6-TSOP	6-TSOP	6-TSOP
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
Base Product Number	SI3459	SI3458	SI3459	SI3458
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
FET Feature	-	-	-	-
Current - Continuous Drain (Id) @ 25°C	2.9A (Tc)	4.1A (Tc)	2.2A (Tc)	3.2A (Ta)
FET Type	P-Channel	N-Channel	P-Channel	N-Channel
Vgs(th) (Max) @ Id	3V @ 250µA	3V @ 250µA	1V @ 250µA (Min)	1V @ 250µA (Min)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Vgs (Max)	±20V	±20V	±20V	±20V
Power Dissipation (Max)	3.3W (Tc)	2W (Ta), 3.3W (Tc)	2W (Ta)	2W (Ta)
Rds On (Max) @ Id, Vgs	216mOhm @ 2.2A, 10V	100mOhm @ 3.2A, 10V	220mOhm @ 2.2A, 10V	100mOhm @ 3.2A, 10V
Input Capacitance (Ciss) (Max) @ Vds	350 pF @ 30 V	350 pF @ 30 V	-	-
Gate Charge (Qg) (Max) @ Vgs	12 nC @ 10 V	11 nC @ 10 V	14 nC @ 10 V	16 nC @ 10 V

SI3459BDV-T1-E3 Datasheet PDF

Download SI3459BDV-T1-E3 pdf datasheets and Vishay Siliconix documentation for SI3459BDV-T1-E3 - Vishay Siliconix.

Datasheets





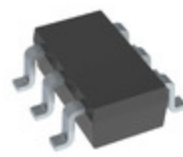
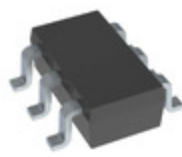




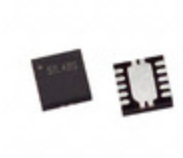

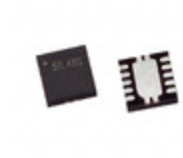
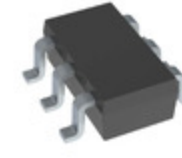
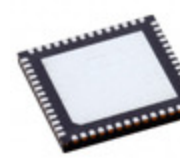



SI3459BDV.pdf

PCN Assembly/Origin

New Solder Plating Site 18/Apr/2023.pdf

Customers Also Interested in

Recommended Products

 SI3458DV-T1-GE3 Electro-Films (EFI) / Vishay	 SI3459DV-T1-GE3 Electro-Films (EFI) / Vishay	 SI3458DV-T1-E3CT-ND Electro-Films (EFI) / Vishay	 SI3459BDV-T1-GE3 MOS Electro-Films (EFI) / Vishay	 SI3458BDV-T1-GE3 Vishay Siliconix MOSFET N-CH 60V 4.1A 6TSOP	 SI3459DV-T1-E3 Vishay Siliconix MOSFET P-CH 60V 2.2A 6TSOP
 SI3458DV-T1-E3 Vishay Siliconix MOSFET N-CH 60V 3.2A 6TSOP	 SI3458-C04-IMR Silicon Power	 SI3459BDV-T1-G3 Electro-Films (EFI) / Vishay	 SI3459DV-T1 Electro-Films (EFI) / Vishay	 SI3460-E03-GMR Skyworks Solutions Inc. IC POE CNTRL 1 CHANNEL 11QFN	 SI3458-B03-IMR Silicon Power
 SI3460-E03-GM Skyworks Solutions Inc. IC POE CNTRL 1 CHANNEL 11QFN	 SI3459BDV-T1-GE3 Vishay Siliconix MOSFET P-CH 60V 2.9A 6TSOP	 SI3459-B02-IMR Skyworks Solutions Inc. IC POE CNTRL 8 CHANNEL 56QFN	 SI3458BDV-T1-E3 Vishay Siliconix MOSFET N-CH 60V 4.1A 6TSOP	 SI3459BDV-T1-E3 MOS Electro-Films (EFI) / Vishay	 SI3459BDY-T1-E3 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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