





SIA533EDJ-T1-GE3

Manufacturer Part Number	SIA533EDJ-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SIA533EDJ-T1-GE3
ECAD Model	 Request Free CAD Models
Parts Description	MOSFET N/P-CH 12V 4.5A SC70-6
Package	PowerPAK® SC-70-6 Dual
Data sheet	SIA533EDJ.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

SIA533EDJ-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SIA533EDJ-T1-GE3 datasheet/specifications on AllelcoElec.com.
Request a quote for SIA533EDJ-T1-GE3, please send us email: info@allelco.com





Specifications

SIA533EDJ-T1-GE3 Tech Specifications
SIA533EDJ-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	1V @ 250µA	Mounting Type	Surface Mount
Technology	MOSFET (Metal Oxide)	Input Capacitance (Ciss) (Max) @ Vds	420pF @ 6V
Supplier Device Package	PowerPAK® SC-70-6 Dual	Gate Charge (Qg) (Max) @ Vgs	15nC @ 10V
Series	TrenchFET®	FET Feature	Logic Level Gate
Rds On (Max) @ Id, Vgs	34mOhm @ 4.6A, 4.5V	Drain to Source Voltage (Vdss)	12V
Power - Max	7.8W	Current - Continuous Drain (Id) @ 25°C	4.5A
Package / Case	PowerPAK® SC-70-6 Dual	Configuration	N and P-Channel
Package	Tape & Reel (TR)	Base Product Number	SIA533

Parts with Similar Specifications


The three parts on the right have similar specifications to Vishay Siliconix SIA533EDJ-T1-GE3

Product Attribute	 NO PICTURE			
Part Number	SIA533EDJ-T1-GE3	SIA513DJ-T1-GE3	SIA906EDJ-T1-GE3	SIA537EDJ-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Base Product Number	SIA533	SIA513	SIA906	SIA537
Rds On (Max) @ Id, Vgs	34mOhm @ 4.6A, 4.5V	60mOhm @ 3.4A, 4.5V	46mOhm @ 3.9A, 4.5V	28mOhm @ 5.2A, 4.5V
Configuration	N and P-Channel	N and P-Channel	2 N-Channel (Dual)	N and P-Channel
FET Feature	Logic Level Gate	Logic Level Gate	Logic Level Gate	Logic Level Gate
Power - Max	7.8W	6.5W	7.8W	7.8W
Series	TrenchFET®	TrenchFET®	TrenchFET®	TrenchFET®
Drain to Source Voltage (Vdss)	12V	20V	20V	12V, 20V
Current - Continuous Drain (Id) @ 25°C	4.5A	4.5A	4.5A	4.5A
Gate Charge (Qg) (Max) @ Vgs	15nC @ 10V	12nC @ 10V	12nC @ 10V	16nC @ 8V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Package / Case	PowerPAK® SC-70-6 Dual	PowerPAK® SC-70-6 Dual	PowerPAK® SC-70-6 Dual	PowerPAK® SC-70-6 Dual
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	1V @ 250µA	1.5V @ 250µA	1.4V @ 250µA	1V @ 250µA
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Input Capacitance (Ciss) (Max) @ Vds	420pF @ 6V	360pF @ 10V	350pF @ 10V	455pF @ 6V
Supplier Device Package	PowerPAK® SC-70-6 Dual	PowerPAK® SC-70-6 Dual	PowerPAK® SC-70-6 Dual	PowerPAK® SC-70-6 Dual


SIA533EDJ-T1-GE3 Datasheet PDF

Download SIA533EDJ-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SIA533EDJ-T1-GE3 - Vishay Siliconix.

Datasheets




















[SIA533EDJ.pdf](#)

PCN Design/Specification


[SIL-001-2015-Rev-0 21/Jan/2015.pdf](#)

Customers Also Interested in

Recommended Products

 SIA811DJ-T1-GE3 Vishay Siliconix MOSFET P-CH 20V 4.5A PPAK SC70-6	 SIA527DJ-T1-GE3 MOS Electro-Films (EFI) / Vishay	 SIA813DJ-T1-GE3 Vishay Siliconix MOSFET P-CH 20V 4.5A PPAK SC70-6	 SIA517DJ-T4-GE3 Electro-Films (EFI) / Vishay	 SIA814DJ-T1-GE3 Vishay Siliconix MOSFET N-CH 30V 4.5A PPAK SC70-6	 SIA513DJ-T1-GE3 Vishay Siliconix MOSFET N/P-CH 20V 4.5A SC70-6
 SIA906EDJ-T1-GE3 Vishay Siliconix MOSFET 2N-CH 20V 4.5A SC70-6	 SIA811DJ-T1 Electro-Films (EFI) / Vishay	 SIA537EDJ-T1-GE3 Vishay Siliconix MOSFET N/P-CH 12V/20V SC-70-6L	 SIA519EDJ-T1-GE3 MOS Electro-Films (EFI) / Vishay	 SIA519EDJ-T1-GE3 Vishay Siliconix MOSFET N/P-CH 20V 4.5A SC70-6	 SIA517DJ-T1-GE3 Vishay Siliconix MOSFET N/P-CH 12V 4.5A SC70-6
 SIA517DJ-T1-GE3 MOS Electro-Films (EFI) / Vishay	 SIA811DJ-T1-E3 Vishay Siliconix MOSFET P-CH 20V 4.5A PPAK SC70-6	 SIA811ADJ-T1-GE3 Vishay Siliconix MOSFET P-CH 20V 4.5A PPAK SC70-6	 SIA817EDJ-T1-GE3 Vishay Siliconix MOSFET P-CH 30V 4.5A PPAK SC70-6	 SIA527DJ-T1-GE3 Vishay Siliconix MOSFET N/P-CH 12V 4.5A SC-70-6	 SIA513DJ-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.

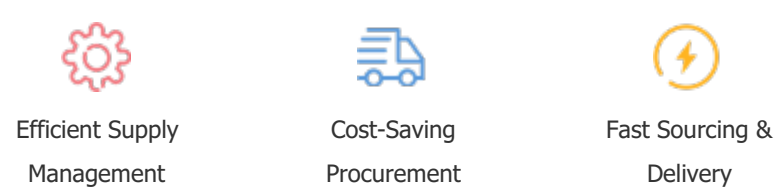
Contact us if you have any questions.

Payment Support

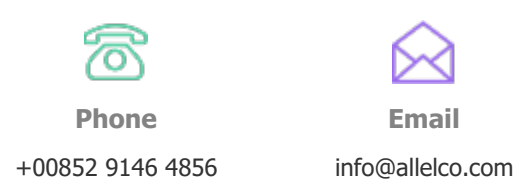
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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