





SIA975DJ-T1-GE3

Manufacturer Part Number	SIA975DJ-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SIA975DJ-T1-GE3
ECAD Model	 Request Free CAD Models
Parts Description	MOSFET 2P-CH 12V 4.5A SC-70-6
Package	PowerPAK® SC-70-6 Dual
Data sheet	SIA975DJ.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

SIA975DJ-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SIA975DJ-T1-GE3 datasheet/specifications on AllelcoElec.com.
Request a quote for SIA975DJ-T1-GE3, please send us email: info@allelco.com

Specifications





SIA975DJ-T1-GE3 Tech Specifications

SIA975DJ-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	1500pF @ 6V
Supplier Device Package	PowerPAK® SC-70-6 Dual	Gate Charge (Qg) (Max) @ Vgs	26nC @ 8V
Series	TrenchFET®	FET Feature	Logic Level Gate
Rds On (Max) @ Id, Vgs	41mOhm @ 4.3A, 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	2 P-Channel (Dual)
Package	Tape & Reel (TR)	Base Product Number	SIA975

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SIA975DJ-T1-GE3

Product Attribute	 NO PICTURE			
Part Number	SIA975DJ-T1-GE3	SIA917DJ-T1-GE3	SIA914ADJ-T1-GE3	SIA921EDJ-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Package / Case	PowerPAK® SC-70-6 Dual	PowerPAK® SC-70-6 Dual	PowerPAK® SC-70-6 Dual	PowerPAK® SC-70-6 Dual
Drain to Source Voltage (Vdss)	12V	20V	20V	20V
Gate Charge (Qg) (Max) @ Vgs	26nC @ 8V	9nC @ 10V	12.5nC @ 8V	23nC @ 10V
Vgs(th) (Max) @ Id	1V @ 250µA	1.5V @ 250µA	900mV @ 250µA	1.4V @ 250µA
Input Capacitance (Ciss) (Max) @ Vds	1500pF @ 6V	250pF @ 10V	470pF @ 10V	-
FET Feature	Logic Level Gate	Logic Level Gate	Logic Level Gate	Logic Level Gate
Base Product Number	SIA975	SIA917	SIA914	SIA921
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
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)
Current - Continuous Drain (Id) @ 25°C	4.5A	4.5A	4.5A	4.5A
Supplier Device Package	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
Power - Max	7.8W	6.5W	7.8W	7.8W
Configuration	2 P-Channel (Dual)	2 P-Channel (Dual)	2 N-Channel (Dual)	2 P-Channel (Dual)
Series	TrenchFET®	TrenchFET®	TrenchFET®	TrenchFET®
Rds On (Max) @ Id, Vgs	41mOhm @ 4.3A, 4.5V	110mOhm @ 2.5A, 4.5V	43mOhm @ 3.7A, 4.5V	59mOhm @ 3.6A, 4.5V


SIA975DJ-T1-GE3 Datasheet PDF

Download SIA975DJ-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SIA975DJ-T1-GE3 - Vishay Siliconix.


Datasheets


[SIA975DJ.pdf](#)

PCN Assembly/Origin




















[Wafer Fab Addition 22/Jun/2015.pdf](#)

PCN Design/Specification


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

Customers Also Interested in

Recommended Products

 SIA917DJ-T1-GE3 Vishay Siliconix MOSFET 2P-CH 20V 4.5A SC70-6	 SIA914ADJ-T1-GE3 Vishay Siliconix MOSFET 2N-CH 20V 4.5A SC70-6L	 SIA922EDJ-T1-GE3 MOS Electro-Films (EFI) / Vishay	 SIA921EDJ-T1-GE3 Vishay Siliconix MOSFET 2P-CH 20V 4.5A SC70-6	 SIA921EDJ-TI-GE3 Electro-Films (EFI) / Vishay	 SIA914ADJ-T1-E3 Electro-Films (EFI) / Vishay
 SIA914DJ-T1-GE3 Vishay Siliconix MOSFET 2N-CH 20V 4.5A SC70-6	 SIAA02DJ-T1-GE3 Vishay Siliconix MOSFET N-CH 20V 22A/52A PPAK	 SIA923AEDJ-T1-GE3 Vishay Siliconix MOSFET 2P-CH 20V 4.5A SC70-6L	 SIA931DJ-T1-GE3 Vishay Siliconix MOSFET 2P-CH 30V 4.5A SC70-6L	 SIA918EDJ-T1-GE3 Vishay Siliconix MOSFET 2N-CH 30V POWERPAK SC70-6	 SIA975DJ-T1-GE3 MOS Electro-Films (EFI) / Vishay
 SIA929DJ-T1-GE3 Vishay Siliconix MOSFET 2P-CH 30V 4.5A SC70-6	 SIA921EDJ-T1/GE3 Electro-Films (EFI) / Vishay	 SIA950DJ-T1-GE3 Vishay Siliconix MOSFET 2N-CH 190V 0.95A SC-70-6	 SIA921EDJ-T1-GE3 MOS Electro-Films (EFI) / Vishay	 SIA923EDJ-T1-GE3 Vishay Siliconix MOSFET 2P-CH 20V 4.5A SC-70-6	 SIA922EDJ-T1-GE3 Vishay Siliconix MOSFET 2N-CH 30V 4.5A SC70-6

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

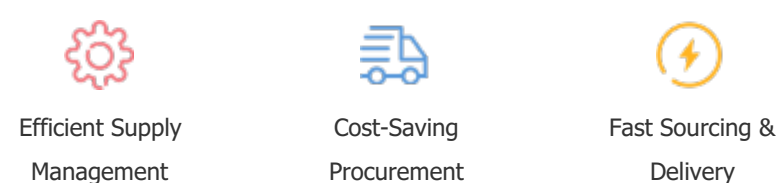
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

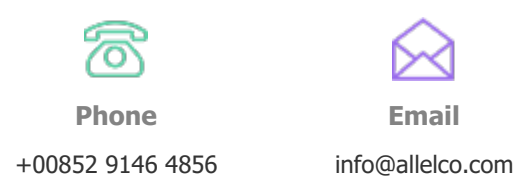
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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