





SIA400EDJ-T1-GE3

Manufacturer Part Number	SIA400EDJ-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SIA400EDJ-T1-GE3
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 30V 12A PPAK SC70-6
Package	PowerPAK® SC-70-6
Data sheet	SIA400EDJ-T1-GE3.pdf
RoHs Status	 ROHS3 Compliant



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SIA400EDJ-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SIA400EDJ-T1-GE3 datasheet/specifications on AllelcoElec.com.
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Specifications

SIA400EDJ-T1-GE3 Tech Specifications
SIA400EDJ-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	1.5V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±12V	Input Capacitance (Ciss) (Max) @ Vds	1265 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	36 nC @ 10 V
Supplier Device Package	PowerPAK® SC-70-6	FET Type	N-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	19mOhm @ 11A, 4.5V	Drive Voltage (Max Rds On, Min Rds On)	2.5V, 4.5V
Power Dissipation (Max)	19.2W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	PowerPAK® SC-70-6	Current - Continuous Drain (Id) @ 25°C	12A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SIA400

Parts with Similar Specifications


The three parts on the right have similar specifications to Vishay Siliconix SIA400EDJ-T1-GE3

Product Attribute	 NO PICTURE			
Part Number	SIA400EDJ-T1-GE3	SIA413ADJ-T1-GE3	SIA406DJ-T1-GE3	SIA411DJ-T1-E3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Power Dissipation (Max)	19.2W (Tc)	19W (Tc)	3.5W (Ta), 19W (Tc)	3.5W (Ta), 19W (Tc)
Rds On (Max) @ Id, Vgs	19mOhm @ 11A, 4.5V	29mOhm @ 6.7A, 4.5V	19.8mOhm @ 10.8A, 4.5V	30mOhm @ 5.9A, 4.5V
Current - Continuous Drain (Id) @ 25°C	12A (Tc)	12A (Tc)	4.5A (Tc)	12A (Tc)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Series	TrenchFET®	TrenchFET®	TrenchFET®	TrenchFET®
Vgs (Max)	±12V	±8V	±8V	±8V
Gate Charge (Qg) (Max) @ Vgs	36 nC @ 10 V	57 nC @ 8 V	23 nC @ 5 V	38 nC @ 8 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Input Capacitance (Ciss) (Max) @ Vds	1265 pF @ 15 V	1800 pF @ 10 V	1380 pF @ 6 V	1200 pF @ 10 V
Drain to Source Voltage (Vdss)	30 V	12 V	12 V	20 V
Base Product Number	SIA400	SIA413	SIA406	SIA411
Vgs(th) (Max) @ Id	1.5V @ 250µA	1V @ 250µA	1V @ 250µA	1V @ 250µA
Supplier Device Package	PowerPAK® SC-70-6	PowerPAK® SC-70-6 Single	PowerPAK® SC-70-6	PowerPAK® SC-70-6
FET Type	N-Channel	P-Channel	N-Channel	P-Channel
FET Feature	-	-	-	-
Package / Case	PowerPAK® SC-70-6	PowerPAK® SC-70-6	PowerPAK® SC-70-6	PowerPAK® SC-70-6
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Drive Voltage (Max Rds On, Min Rds On)	2.5V, 4.5V	1.5V, 4.5V	1.8V, 4.5V	1.5V, 4.5V

SIA400EDJ-T1-GE3 Datasheet PDF

Download SIA400EDJ-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SIA400EDJ-T1-GE3 - Vishay Siliconix.

Datasheets

 SIA400EDJ-T1-GE3.pdf
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Customers Also Interested in

Recommended Products



SIA0902X01-A0
Samsung Semiconductor



SIA0900A01-A0
Samsung Semiconductor



SIA2206E02-HO
Samsung Semiconductor



SIA0427
Samsung Semiconductor



SIA413ADJ-T1-GE3
Vishay Siliconix
MOSFET P-CH 12V 12A PPAK SC70-6



SIA406DJ-T1-GE3
Vishay Siliconix
MOSFET N-CH 12V 4.5A PPAK SC70-6



SIA411DJ-T1-E3
Vishay Siliconix
MOSFET P-CH 20V 12A PPAK SC70-6



SIA413DJ-T1-GE3
Vishay Siliconix
MOSFET P-CH 12V 12A PPAK SC70-6



SIA408DJ-T1-GE3
Vishay Siliconix
MOSFET N-CH 30V 4.5A PPAK SC70-6



SIA110DJ-T1-GE3
Vishay Siliconix
MOSFET N-CH 100V 5.4A/12A PPAK



SIA3329-8R2K
Delta Controls



SIA402DJ-T1-E3
Electro-Films (EFI) / Vishay



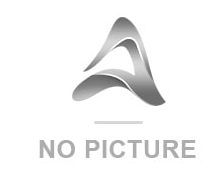
SIA0903X01-007
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Electronic Devices and Stora



SIA414DJ-T1-GE3
Vishay Siliconix
MOSFET N-CH 8V 12A PPAK SC70-6



SIA413DJ-T1-GE3 MOS
Electro-Films (EFI) / Vishay



SIA30Y24
SIA



SIA413DJ-T4-GE3
Electro-Films (EFI) / Vishay



SIA3223-R15M
Delta Controls

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 Alleco 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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Efficient Supply
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Fast Sourcing &
Delivery

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Certifications & Memberships



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