



SQJ457EP-T1_GE3

Manufacturer Part Number	SQJ457EP-T1_GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SQJ457EP-T1_GE3
ECAD Model	PCB Footprint and Symbol
Parts Description	MOSFET P-CH 60V 36A PPAK SO-8
Package	PowerPAK® SO-8
Data sheet	SQJ457EP.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

SQJ457EP-T1_GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SQJ457EP-T1_GE3 datasheet/specifications on AllelcoElec.com.
Request a quote for SQJ457EP-T1_GE3, please send us email: info@allelco.com

Specifications

SQJ457EP-T1_GE3 Tech Specifications
SQJ457EP-T1_GE3 - Vishay Siliconix technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Vishay / Siliconix	Operating Temperature	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	2.5V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	3400 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	100 nC @ 10 V
Supplier Device Package	PowerPAK® SO-8	FET Type	P-Channel
Series	Automotive, AEC-Q101, TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	25mOhm @ 10A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	68W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	PowerPAK® SO-8	Current - Continuous Drain (Id) @ 25°C	36A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SQJ457

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SQJ457EP-T1_GE3

Product Attribute				
Part Number	SQJ457EP-T1_GE3	SQJ459EP-T1_GE3	SQJ416EP-T1_GE3	SQJ463EP-T1_GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
FET Type	P-Channel	P-Channel	N-Channel	P-Channel
Package / Case	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	2.5V @ 250µA	2.5V @ 250µA	3.5V @ 250µA	2.5V @ 250µA
Supplier Device Package	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8	PowerPAK® SO-8
Rds On (Max) @ Id, Vgs	25mOhm @ 10A, 10V	18mOhm @ 3.5A, 10V	30mOhm @ 10A, 10V	10mOhm @ 18A, 10V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	10V	4.5V, 10V
Drain to Source Voltage (Vdss)	60 V	60 V	100 V	40 V
FET Feature	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Power Dissipation (Max)	68W (Tc)	83W (Tc)	45W (Tc)	83W (Tc)
Gate Charge (Qg) (Max) @ Vgs	100 nC @ 10 V	108 nC @ 10 V	20 nC @ 10 V	150 nC @ 10 V
Input Capacitance (Ciss) (Max) @ Vds	3400 pF @ 25 V	4586 pF @ 30 V	800 pF @ 25 V	5875 pF @ 20 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Base Product Number	SQJ457	SQJ459	SQJ416	SQJ463
Series	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®	Automotive, AEC-Q101, TrenchFET®
Vgs (Max)	±20V	±20V	±20V	±20V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Current - Continuous Drain (Id) @ 25°C	36A (Tc)	52A (Tc)	27A (Tc)	30A (Tc)

SQJ457EP-T1_GE3 Datasheet PDF

Download SQJ457EP-T1_GE3 pdf datasheets and Vishay Siliconix documentation for SQJ457EP-T1_GE3 - Vishay Siliconix.

Datasheets

[SQJ457EP.pdf](#)

Customers Also Interested in

Recommended Products



SQJ461EP-T1-GE3
Electro-Films (EFI) / Vishay



SQJ463EP-T1-GE3
Electro-Films (EFI) / Vishay



SQJ459EP-T1_GE3
Vishay Siliconix
MOSFET P-CH 60V 52A PPAK SO-8



SQJ443EP-T1-GE3 MOS
Electro-Films (EFI) / Vishay



SQJ422EP-T1-GE3
Electro-Films (EFI) / Vishay



SQJ431AEP-T1-GE3
Electro-Films (EFI) / Vishay



SQJ443EP-T1-GE3
Electro-Films (EFI) / Vishay



SQJ416EP-T1_GE3
Vishay Siliconix
MOSFET N-CH 100V 27A PPAK SO-8



SQJ463EP-T1_GE3
Vishay Siliconix
MOSFET P-CH 40V 30A PPAK SO-8



SQJ431EPT1-GE3
VISAHY



SQJ431EP-T1-GE3
Electro-Films (EFI) / Vishay



SQJ460AEP-T1_GE3
Vishay Siliconix
MOSFET N-CH 60V 32A PPAK SO-8



SQJ460AEP-T1-GE3
Electro-Films (EFI) / Vishay



SQJ461EP-T1_GE3
Vishay Siliconix
MOSFET P-CH 60V 30A PPAK SO-8



SQJ459EP-T2_BE3
Vishay Siliconix
P-CHANNEL 60-V (D-S) 175C
MOSFET



SQJ460AEP-T2
Electro-Films (EFI) / Vishay



SQJ420EP-T1_GE3
Vishay Siliconix
MOSFET N-CH 40V 30A PPAK SO-8



SQJ456EP-T1-GE3
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 -

Efficient Supply Management
 Cost-Saving Procurement
 Fast Sourcing & Delivery

Contact us if you have any questions.

Phone
+00852 9146 4856
 Email
info@allelco.com

Certifications & Memberships



[View More](#)