





SQJA36EP-T1_GE3

| | |
|--------------------------|--|
| Manufacturer Part Number | SQJA36EP-T1_GE3 |
| Manufacturer | Vishay / Siliconix |
| Allelco Part Number | 32D-SQJA36EP-T1_GE3 |
| ECAD Model |  PCB Footprint and Symbol |
| Parts Description | MOSFET N-CH 40V 350A PPAK SO-8 |
| Package | PowerPAK® SO-8 |
| Data sheet | SQJA36EP.pdf |
| RoHs Status |  ROHS3 Compliant |



[Get a Quote](#)

SQJA36EP-T1_GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SQJA36EP-T1_GE3 datasheet/specifications on AllelcoElec.com.

Request a quote for SQJA36EP-T1_GE3, please send us email: info@allelco.com

Specifications





SQJA36EP-T1_GE3 Tech Specifications

SQJA36EP-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 | 3.5V @ 250µA | Mounting Type | Surface Mount |
| Vgs (Max) | ±20V | Input Capacitance (Ciss) (Max) @ Vds | 6636 pF @ 25 V |
| Technology | MOSFET (Metal Oxide) | Gate Charge (Qg) (Max) @ Vgs | 107 nC @ 10 V |
| Supplier Device Package | PowerPAK® SO-8 | FET Type | N-Channel |
| Series | Automotive, AEC-Q101, TrenchFET® | FET Feature | - |
| Rds On (Max) @ Id, Vgs | 1.24mOhm @ 15A, 10V | Drive Voltage (Max Rds On, Min Rds On) | 10V |
| Power Dissipation (Max) | 500W (Tc) | Drain to Source Voltage (Vdss) | 40 V |
| Package / Case | PowerPAK® SO-8 | Current - Continuous Drain (Id) @ 25°C | 350A (Tc) |
| Package | Tape & Reel (TR) | Base Product Number | SQJA36 |

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SQJA36EP-T1_GE3

| Product Attribute |  NO PICTURE |  |  |  |
|--|---|---|---|---|
| Part Number | SQJA36EP-T1_GE3 | SQJA62EP-T1_GE3 | SQJA20EP-T1_GE3 | SQJA82EP-T1_GE3 |
| Manufacturer | Vishay Siliconix | Vishay Siliconix | Vishay Siliconix | Vishay Siliconix |
| Input Capacitance (Ciss) (Max) @ Vds | 6636 pF @ 25 V | 5100 pF @ 25 V | 1300 pF @ 25 V | 3000 pF @ 25 V |
| Package | Tape & Reel (TR) | Tape & Reel (TR) | Tape & Reel (TR) | Tape & Reel (TR) |
| Current - Continuous Drain (Id) @ 25°C | 350A (Tc) | 60A (Tc) | 22.5A (Tc) | 60A (Tc) |
| Rds On (Max) @ Id, Vgs | 1.24mOhm @ 15A, 10V | 4.5mOhm @ 10A, 10V | 50mOhm @ 10A, 10V | 8.2mOhm @ 10A, 10V |
| Power Dissipation (Max) | 500W (Tc) | 68W (Tc) | 68W (Tc) | 68W (Tc) |
| Base Product Number | SQJA36 | SQJA62 | SQJA20 | SQJA82 |
| Drive Voltage (Max Rds On, Min Rds On) | 10V | 4.5V, 10V | 7.5V, 10V | 4.5V, 10V |
| Drain to Source Voltage (Vdss) | 40 V | 60 V | 200 V | 80 V |
| Package / Case | PowerPAK® SO-8 | PowerPAK® SO-8 | PowerPAK® SO-8 | PowerPAK® SO-8 |
| Gate Charge (Qg) (Max) @ Vgs | 107 nC @ 10 V | 85 nC @ 10 V | 27 nC @ 10 V | 60 nC @ 10 V |
| Operating Temperature | -55°C ~ 175°C (TJ) | -55°C ~ 175°C (TJ) | -55°C ~ 175°C (TJ) | -55°C ~ 175°C (TJ) |
| Vgs (Max) | ±20V | ±20V | ±20V | ±20V |
| FET Type | N-Channel | N-Channel | N-Channel | N-Channel |
| Supplier Device Package | PowerPAK® SO-8 | PowerPAK® SO-8 | PowerPAK® SO-8 | PowerPAK® SO-8 |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Series | Automotive, AEC-Q101, TrenchFET® | Automotive, AEC-Q101, TrenchFET® | Automotive, AEC-Q101, TrenchFET® | Automotive, AEC-Q101, TrenchFET® |
| Vgs(th) (Max) @ Id | 3.5V @ 250µA | 2.5V @ 250µA | 3.5V @ 250µA | 2.5V @ 250µA |
| FET Feature | - | - | - | - |
| Technology | MOSFET (Metal Oxide) | MOSFET (Metal Oxide) | MOSFET (Metal Oxide) | MOSFET (Metal Oxide) |


SQJA36EP-T1_GE3 Datasheet PDF

Download SQJA36EP-T1_GE3 pdf datasheets and Vishay Siliconix documentation for SQJA36EP-T1_GE3 - Vishay Siliconix.

Datasheets




















[SQJA36EP.pdf](#)

PCN Assembly/Origin


[Mult Dev 26/Jan/2023.pdf](#)

Customers Also Interested in

Recommended Products

| | | | | | |
|---|--|---|--|--|---|
|  SQJ992EP-T2_GE3 Vishay Siliconix DUAL N-CHANNEL 60-V (D-S) 175C M |  SQJ992EP-T1_GE3 Vishay Siliconix MOSFET 2N-CH 60V 15A POWERPAKSO8 |  SQJ970EPT1-GE3 VISHAY |  SQJA62EP-T1_GE3 Vishay Siliconix MOSFET N-CH 60V 60A PPAK SO-8 |  SQJ974EP-T1-GE3 Electro-Films (EFI) / Vishay |  SQJ974EP-T1_GE3 Vishay Siliconix MOSFET 2 N-CH 100V POWERPAK SO8 |
|  SQJA60EP-T1-BE3 Electro-Films (EFI) / Vishay |  SQJA38EP-T1-GE3 Electro-Films (EFI) / Vishay |  SQJ970EP-T1-GE3 Electro-Films (EFI) / Vishay |  SQJA20EP-T1_GE3 Vishay Siliconix MOSFET N-CH 200V 22.5A PPAK SO-8 |  SQJA82EP-T1_GE3 Vishay Siliconix MOSFET N-CH 80V 60A PPAK SO-8 |  SQJA38EP-T1_GE3 Vishay Siliconix MOSFET N-CH 40V 60A PPAK SO-8 |
|  SQJA68EP-T1_GE3 Vishay Siliconix MOSFET N-CH 100V 14A PPAK SO-8L |  SQJA72EP-T1_GE3 Vishay Siliconix MOSFET N-CH 100V 37A PPAK SO-8 |  SQJ992EP Electro-Films (EFI) / Vishay |  SQJ992EP-T1-GE3 Electro-Films (EFI) / Vishay |  SQJ980AEP-T1-GE3 Electro-Films (EFI) / Vishay |  SQJA76EP-T1_GE3 Vishay Siliconix MOSFET N-CH 40V 75A PPAK SO-8 |

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 |

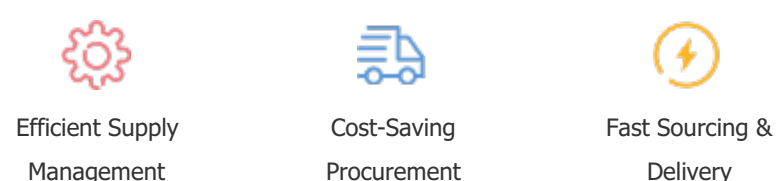
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

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



[View More](#)