

Image may be representation.
See specifications for product details.



MJE18004G

| | |
|--------------------------|----------------------------------|
| Manufacturer Part Number | MJE18004G |
| Manufacturer | onsemi |
| Allelco Part Number | 32D-MJE18004G |
| ECAD Model | PCB Symbol, Footprint & 3D Model |
| Parts Description | TRANS NPN 450V 5A TO220 |
| Package | TO-220-3 |
| Data sheet | MJE18004, MJF18004.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

MJE18004G - onsemi.New Original in Stock. Download Linear Technology MJE18004G datasheet/specifications on AllelcoElec.com.
Request a quote for MJE18004G, please send us email: info@allelco.com

Specifications

MJE18004G Tech Specifications
MJE18004G - onsemi technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|---|---------------------|---------------------------------------|--------------------|
| Manufacturer | onsemi | Package | Tube |
| Voltage - Collector Emitter Breakdown (Max) | 450 V | Operating Temperature | -65°C ~ 150°C (TJ) |
| Vce Saturation (Max) @ Ib, Ic | 750mV @ 500mA, 2.5A | Mounting Type | Through Hole |
| Transistor Type | NPN | Frequency - Transition | 13MHz |
| Supplier Device Package | TO-220 | DC Current Gain (hFE) (Min) @ Ic, Vce | 14 @ 300mA, 5V |
| Series | SWITCHMODE™ | Current - Collector Cutoff (Max) | 100µA |
| Power - Max | 75 W | Current - Collector (Ic) (Max) | 5 A |
| Package / Case | TO-220-3 | Base Product Number | MJE18004 |

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi MJE18004G

| Product Attribute | | | | |
|---|---------------------|--------------------|---------------------|---------------------|
| Part Number | MJE18004G | MJE180STU | MJE18008G | MJE18004 |
| Manufacturer | onsemi | onsemi | onsemi | onsemi |
| Base Product Number | MJE18004 | MJE180 | MJE18008 | MJE18004 |
| Voltage - Collector Emitter Breakdown (Max) | 450 V | 40 V | 450 V | 450 V |
| Mounting Type | Through Hole | Through Hole | Through Hole | Through Hole |
| Series | SWITCHMODE™ | - | SWITCHMODE™ | SWITCHMODE™ |
| Package | Tube | Tube | Tube | Tube |
| Power - Max | 75 W | 1.5 W | 125 W | 75 W |
| Vce Saturation (Max) @ Ib, Ic | 750mV @ 500mA, 2.5A | 1.7V @ 600mA, 3A | 700mV @ 900mA, 4.5V | 750mV @ 500mA, 2.5A |
| Frequency - Transition | 13MHz | 50MHz | 13MHz | 13MHz |
| Operating Temperature | -65°C ~ 150°C (TJ) | 150°C (TJ) | -65°C ~ 150°C (TJ) | -65°C ~ 150°C (TJ) |
| DC Current Gain (hFE) (Min) @ Ic, Vce | 14 @ 300mA, 5V | 50 @ 100mA, 1V | 14 @ 1A, 5V | 14 @ 300mA, 5V |
| Package / Case | TO-220-3 | TO-225AA, TO-126-3 | TO-220-3 | TO-220-3 |
| Current - Collector (Ic) (Max) | 5 A | 3 A | 8 A | 5 A |
| Transistor Type | NPN | NPN | NPN | NPN |
| Supplier Device Package | TO-220 | TO-126-3 | TO-220 | TO-220 |
| Current - Collector Cutoff (Max) | 100µA | 100µA (ICBO) | 100µA | 100µA |

MJE18004G Datasheet PDF

Download MJE18004G pdf datasheets and onsemi documentation for MJE18004G - onsemi.

Datasheets

[MJE18004, MJF18004.pdf](#)

Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

PCN Design/Specification











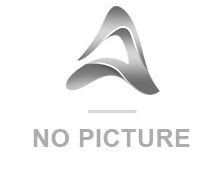







[TO-220 Case Outline Update 18/Sep/2014.pdf](#)

PCN Assembly/Origin

[Bipolar Power Transistor TO220 Pkg Assembly & Tes.pdf](#)

Customers Also Interested in

Recommended Products

| | | | | | |
|--|--|---|--|---|---|
|  MJE180STU onsemi TRANS NPN 40V 3A TO126-3 |  MJE18008G onsemi TRANS NPN 450V 8A TO220 |  MJE18004 onsemi TRANS NPN 450V 5A TO220 |  MJE18004D2G onsemi TRANS NPN 450V 5A TO220 |  MJE18002 onsemi TRANS NPN 450V 2A TO220 |  MJE172 onsemi TRANS PNP 80V 3A TO126 |
|  MJE18002G onsemi TRANS NPN 450V 2A TO220 |  MJE172STU Fairchild Semiconductor TRANS PNP 80V 3A TO126-3 |  MJE181STU onsemi TRANS NPN 60V 3A TO126-3 |  MJE18006 onsemi TRANS NPN 450V 6A TO220 |  MJE180 NTE Electronics, Inc TRANS NPN 40V 3A TO126 |  MJE180G onsemi TRANS NPN 40V 3A TO126 |
|  MJE18008 onsemi TRANS NPN 450V 8A TO220 |  MJE172STU onsemi TRANS PNP 80V 3A TO126-3 |  MJE181G onsemi TRANS NPN 60V 3A TO126 |  MJE172G onsemi TRANS PNP 80V 3A TO126 |  MJE180STU Fairchild Semiconductor POWER BIPOLAR TRANSISTOR, 3A, 40 |  MJE181 onsemi TRANS NPN 60V 3A TO126 |

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.

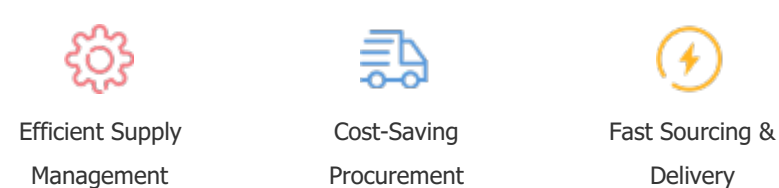
Payment Support

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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