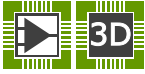






# BU508AF

|                          |   |
|--------------------------|---|
| Manufacturer Part Number | <b>BU508AF</b>  |
| Manufacturer             | <b>STMicroelectronics</b>   |
| Allelco Part Number      | 32D-BU508AF   |
| ECAD Model               |  PCB Symbol, Footprint & 3D Mode |
| Parts Description        | TRANS NPN 700V 8A TO3PF   |
| Package                  | TO-3P-3 Full Pack   |
| Data sheet               | <b>BU508AF.pdf</b>  |
| RoHs Status              |  ROHS3 Compliant                 |



Get a Quote

BU508AF - STMicroelectronics.New Original in Stock. Download Linear Technology BU508AF datasheet/specifications on AllelcoElec.com.

Request a quote for BU508AF, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications





BU508AF Tech Specifications

BU508AF - STMicroelectronics technical specifications, attributes, parameters

| Product Attribute                           | Attribute Value    | Product Attribute                     | Attribute Value |
|---|--------------------|---------------------------------------|-----------------|
| Manufacturer                                | STMicroelectronics | Package                               | Tube            |
| Voltage - Collector Emitter Breakdown (Max) | 700 V              | Operating Temperature                 | 150°C (TJ)      |
| Vce Saturation (Max) @ Ib, Ic               | 1V @ 1.6A, 4.5A    | Mounting Type                         | Through Hole    |
| Transistor Type                             | NPN                | Frequency - Transition                | -               |
| Supplier Device Package                     | TO-3PF             | DC Current Gain (hFE) (Min) @ Ic, Vce | 10 @ 100mA, 5V  |
| Series                                      | -                  | Current - Collector Cutoff (Max)      | 200µA           |
| Power - Max                                 | 50 W               | Current - Collector (Ic) (Max)        | 8 A             |
| Package / Case                              | TO-3P-3 Full Pack  | Base Product Number                   | BU508           |

## Parts with Similar Specifications


The three parts on the right have similar specifications to STMicroelectronics BU508AF

| Product Attribute                           |  NO PICTURE |  |  life.augmented |  |
|---|--|---|--|---|
| Part Number                                 | BU508AF  | BU508AW   | BU508AFI   | BU508A  |
| Manufacturer                                | STMicroelectronics   | STMicroelectronics  | STMicroelectronics   | STMicroelectronics  |
| Transistor Type                             | NPN  | NPN   | NPN  | NPN   |
| Mounting Type                               | Through Hole   | Through Hole  | Through Hole   | Through Hole  |
| Power - Max                                 | 50 W   | 125 W   | 50 W   | 125 W   |
| Frequency - Transition                      | -  | -   | 7MHz   | 7MHz  |
| Operating Temperature                       | 150°C (TJ)   | 150°C (TJ)  | 150°C (TJ)   | 150°C (TJ)  |
| Voltage - Collector Emitter Breakdown (Max) | 700 V  | 700 V   | 700 V  | 700 V   |
| Series                                      | -  | -   | -  | -   |
| Vce Saturation (Max) @ Ib, Ic               | 1V @ 1.6A, 4.5A  | 1V @ 1.6A, 4.5A   | 1V @ 2A, 4.5A  | 1V @ 2A, 4.5A   |
| Package / Case                              | TO-3P-3 Full Pack  | TO-247-3  | ISOWATT-218-3  | TO-247-3  |
| Current - Collector (Ic) (Max)              | 8 A  | 8 A   | 8 A  | 8 A   |
| Base Product Number                         | BU508  | BU508   | BU508  | BU508   |
| DC Current Gain (hFE) (Min) @ Ic, Vce       | 10 @ 100mA, 5V   | 10 @ 100mA, 5V  | -  | -   |
| Supplier Device Package                     | TO-3PF   | TO-247-3  | ISOWATT-218FX  | TO-247-3  |
| Current - Collector Cutoff (Max)            | 200µA  | 200µA   | 1mA  | 1mA   |
| Package                                     | Tube   | Tube  | Tube   | Tube  |

## BU508AF Datasheet PDF

Download BU508AF pdf datasheets and STMicroelectronics documentation for BU508AF - STMicroelectronics.







### Datasheets



BU508AF.pdf

## Customers Also Interested in

### Recommended Products

|   |   |   |  |   |   |
|---|---|---|--|---|---|
|  |  |  |  |  |  |
| <b>BU52012HFV-TR</b>  | <b>BU508DF</b>  | <b>BU508AW</b>  | <b>BU52011HFV</b>  | <b>BU52013HFV-TR</b>  | <b>BU52011HFV-TR</b>  |
| Rohm Semiconductor<br>MAGNETIC SWITCH UNIPOLAR<br>HVSOF5                            | LUMILEDS  | STMicroelectronics<br>TRANS NPN 700V 8A TO247-3                                     | LAPIS Technology   | Rohm Semiconductor<br>MAGNETIC SWITCH UNIPOLAR<br>HVSOF5                              | Rohm Semiconductor<br>MAGNETIC SWITCH OMNIPOLAR<br>HVSOF5                             |



**BU508D**  
LUMILEDS

**BU508AFI**  
STMicroelectronics  
TRANS NPN 700V 8A ISOWATT-218FX

**BU52012NVX-TR**  
Rohm Semiconductor  
MAGNETIC SWITCH UNIPOLAR 4-SSON

**BU508A**  
STMicroelectronics  
TRANS NPN 700V 8A TO247-3

**BU508A**  
Motorola  
TRANS NPN 700V 8A TO247-3

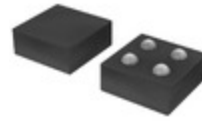
**BU5148S**  
OKI



**BU52004GUL-E2**  
Rohm Semiconductor  
MAG SWITCH OMNIPOLAR 4VCSP50L1



**BU52014HFV-TR**  
Rohm Semiconductor  
MAGNETIC SWITCH OMNIPOLAR HVSOFS



**BU52001GUL-E2**  
Rohm Semiconductor  
MAG SWITCH OMNIPOLAR 4VCSP50L1



**BU508DW**  
LUMILEDS



**BU52002GUL-E2**  
Rohm Semiconductor  
MAG SWITCH UNIPOLAR 4VCSP50L1



**BU52011HFV-STR**  
LAPIS Technology

## 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



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