

Image may be representation.  
See specifications for product details.



## TF412ST5G

|                          |                                 |
|--------------------------|---------------------------------|
| Manufacturer Part Number | <b>TF412ST5G</b>                |
| Manufacturer             | <b>onsemi</b>                   |
| Allelco Part Number      | 32D-TF412ST5G                   |
| ECAD Model               | PCB Symbol, Footprint & 3D Mode |
| Parts Description        | JFET N-CH 30V 10MA SOT883       |
| Package                  | 3-XDFDN                         |
| Data sheet               | <b>TF412S.pdf</b>               |
| RoHs Status              | ROHS3 Compliant                 |

**Get a Quote**

TF412ST5G - onsemi.New Original in Stock. Download Linear Technology TF412ST5G datasheet/specifications on AllelcoElec.com.  
Request a quote for TF412ST5G, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

TF412ST5G Tech Specifications

TF412ST5G - onsemi technical specifications, attributes, parameters

| Product Attribute               | Attribute Value         | Product Attribute                    | Attribute Value |
|---------------------------------|-------------------------|--------------------------------------|-----------------|
| Manufacturer                    | onsemi                  | Operating Temperature                | 150°C (TJ)      |
| Voltage - Cutoff (VGS off) @ Id | 180 mV @ 1 µA           | Mounting Type                        | Surface Mount   |
| Voltage - Breakdown (V(BR)GSS)  | 30 V                    | Input Capacitance (Ciss) (Max) @ Vds | 4pF @ 10V       |
| Supplier Device Package         | SOT-883 (XDFN3) (1x0.6) | FET Type                             | N-Channel       |
| Series                          | -                       | Drain to Source Voltage (Vdss)       | 30 V            |
| Power - Max                     | 100 mW                  | Current Drain (Id) - Max             | 10 mA           |
| Package / Case                  | 3-XDFDN                 | Current - Drain (Idss) @ Vds (Vgs=0) | 1.2 mA @ 10 V   |
| Package                         | Tape & Reel (TR)        | Base Product Number                  | TF412           |

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi TF412ST5G

| Product Attribute                    |                         |   |                           |                 |
|--------------------------------------|-------------------------|---|---------------------------|-----------------|
| Part Number                          | TF412ST5G               | PN4393                                    | MMBF4393LT1G              | 2SK4028-T1-A    |
| Manufacturer                         | onsemi                  | NTE Electronics, Inc                      | onsemi                    | NEC Corporation |
| FET Type                             | N-Channel               | N-Channel                                 | N-Channel                 | N-Channel       |
| Series                               | -                       | -   | -                         | -               |
| Package                              | Tape & Reel (TR)        | Bag                                       | Tape & Reel (TR)          | Bulk            |
| Base Product Number                  | TF412                   | -   | MMBF4393                  | -               |
| Mounting Type                        | Surface Mount           | Through Hole                              | Surface Mount             | Surface Mount   |
| Current - Drain (Idss) @ Vds (Vgs=0) | 1.2 mA @ 10 V           | -   | 5 mA @ 15 V               | 90 µA @ 2 V     |
| Voltage - Breakdown (V(BR)GSS)       | 30 V                    | 30 V                                      | 30 V                      | -               |
| Voltage - Cutoff (VGS off) @ Id      | 180 mV @ 1 µA           | -   | 500 mV @ 10 nA            | 1 V @ 1 µA      |
| Input Capacitance (Ciss) (Max) @ Vds | 4pF @ 10V               | 14pF @ 20V                                | 14pF @ 15V                | 4pF @ 2V        |
| Supplier Device Package              | SOT-883 (XDFN3) (1x0.6) | TO-92-3                                   | SOT-23-3 (TO-236)         | 3pXSOF03        |
| Current Drain (Id) - Max             | 10 mA                   | -   | -                         | 10 mA           |
| Drain to Source Voltage (Vdss)       | 30 V                    | -   | 30 V                      | 20 V            |
| Operating Temperature                | 150°C (TJ)              | -55°C ~ 150°C (TJ)                        | -55°C ~ 150°C (TJ)        | 125°C (TJ)      |
| Power - Max                          | 100 mW                  | 625 mW                                    | 225 mW                    | 100 W           |
| Package / Case                       | 3-XDFDN                 | TO-226-3, TO-92-3 (TO-226AA) Formed Leads | TO-236-3, SC-59, SOT-23-3 | SOT-723         |

### TF412ST5G Datasheet PDF

Download TF412ST5G pdf datasheets and onsemi documentation for TF412ST5G - onsemi.

#### Datasheets

[TF412S.pdf](#)

#### Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

[Material Declaration TF412ST5G.pdf](#)

#### PCN Assembly/Origin

[Site Chg 13/Jan/2016.pdf](#)

### Customers Also Interested in

#### Recommended Products



**PN4393**

NTE Electronics, Inc  
JFET N-CH 30V TO92-3



**MMBF4393LT1G**

onsemi  
JFET N-CH 30V SOT23-3



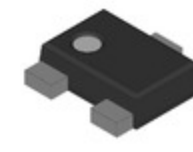
**TF459RM-E2**

LAPIS Technology

**EPSON**

**TF492WF**

Epson



**2SK4028-T1-A**

NEC Corporation  
N-CHANNEL SMALL SIGNAL MOSFET



**2N4393**

Microchip Technology  
JFET N-CH 40V TO18



**2SK715W-AC**

onsemi  
JFET N-CH 50MA 3SPA



**TF4601B20-UTP**

TELEFUNKEN



**TF45-50S-0.5SH**

Hirose



**2SK508-T1B-A**

Renesas Electronics America Inc  
JFET N-CH



**TF40-50**

BED



**2SK932-24-TB-E**

onsemi  
JFET N-CH 50MA SMCP



**TF459RM-E2.**

LAPIS Technology



**MMBFJ110**

onsemi  
JFET N-CH 25V SOT23-3



**2N5485**

Microchip Technology  
JFET



**SST174-T1-E3**

Vishay Siliconix  
JFET P-CH 30V SOT23



**MMBF5103**

onsemi  
JFET N-CH 40V SOT23-3



**2N5457**

Central Semiconductor Corp  
JFET N-CH 25V TO92-3

## 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.



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+00852 9146 4856



Email

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## Certifications & Memberships



View More

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