

Image may be representation.
See specifications for product details.



BTF3050TEATMA1

| | |
|--------------------------|--|
| Manufacturer Part Number | BTF3050TEATMA1 |
| Manufacturer | Infineon Technologies |
| Allelco Part Number | 32D-BTF3050TEATMA1 |
| ECAD Model | PCB Footprint and Symbol |
| Parts Description | IC PWR SWITCH N-CHAN 1:1 TO252-5 |
| Package | TO-252-5, DPak (4 Leads + Tab), TO-252AD |
| Data sheet | Cylindrical Battery Holders.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

BTF3050TEATMA1 - Infineon Technologies.New Original in Stock. Download Linear Technology BTF3050TEATMA1 datasheet/specifications on AllelcoElec.com.
Request a quote for BTF3050TEATMA1, please send us email: info@allelco.com

Specifications

BTF3050TEATMA1 Tech Specifications
BTF3050TEATMA1 - Infineon Technologies technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|----------------------------|--|------------------------|--|
| Manufacturer | Infineon Technologies | Output Configuration | Low Side |
| Voltage - Supply (Vcc/Vdd) | Not Required | Operating Temperature | -40°C ~ 150°C (TJ) |
| Voltage - Load | 40V (Max) | Number of Outputs | 1 |
| Switch Type | General Purpose | Mounting Type | Surface Mount |
| Supplier Device Package | PG-TO252-5-11 | Interface | On/Off |
| Series | - | Input Type | Non-Inverting |
| Rds On (Typ) | 40mOhm | Features | Slew Rate Controlled |
| Ratio - Input:Output | 1:1 | Fault Protection | Current Limiting (Fixed), Over Temperature, Over Voltage |
| Package / Case | TO-252-5, DPak (4 Leads + Tab), TO-252AD | Current - Output (Max) | 3A |
| Package | Tape & Reel (TR) | Base Product Number | BTF3050 |
| Output Type | N-Channel | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies BTF3050TEATMA1

| Product Attribute | | | | |
|----------------------------|--|-------------------------|--------------------------------|---|
| Part Number | BTF3050TEATMA1 | UC37132N | A6821SLWTR-T | BTF3125EJXUMA1 |
| Manufacturer | Infineon Technologies | Texas Instruments | Allegro MicroSystems | Infineon Technologies |
| Voltage - Supply (Vcc/Vdd) | Not Required | Not Required | 3V ~ 5.5V | 3V ~ 5.5V |
| Rds On (Typ) | 40mOhm | - | - | 110mOhm |
| Output Configuration | Low Side | High Side or Low Side | High Side | Low Side |
| Number of Outputs | 1 | 1 | 8 | 1 |
| Operating Temperature | -40°C ~ 150°C (TJ) | 0°C ~ 70°C (TA) | -20°C ~ 85°C (TA) | -40°C ~ 150°C (TJ) |
| Ratio - Input:Output | 1:1 | 1:1 | 1:8 | 1:1 |
| Series | - | - | - | Automotive, AEC-Q100 |
| Package / Case | TO-252-5, DPak (4 Leads + Tab), TO-252AD | 14-DIP (0.300', 7.62mm) | 16-SOIC (0.295', 7.50mm Width) | 8-SOIC (0.154", 3.90mm Width) Exposed Pad |
| Features | Slew Rate Controlled | - | - | - |
| Base Product Number | BTF3050 | UC37132 | A6821 | BTF3125 |
| Input Type | Non-Inverting | Non-Inverting | Non-Inverting | Non-Inverting |
| Switch Type | General Purpose | General Purpose | Latched Driver | General Purpose |
| Package | Tape & Reel (TR) | Tube | Tape & Reel (TR) | Tape & Reel (TR) |
| Interface | On/Off | On/Off | Strobe, Serial | PWM |
| Supplier Device Package | PG-TO252-5-11 | 14-PDIP | 16-SOIC | PG-TDSO-8-31 |
| Output Type | N-Channel | Bipolar | Bipolar | N-Channel |
| Mounting Type | Surface Mount | Through Hole | Surface Mount | Surface Mount |
| Fault Protection | Current Limiting (Fixed), Over Temperature, Over Voltage | - | - | Over Current, Over Voltage, Short Circuit |
| Voltage - Load | 40V (Max) | 8V ~ 65V | 50V (Max) | 3V ~ 28V |
| Current - Output (Max) | 3A | 300mA | 500mA | 2A |

BTF3050TEATMA1 Datasheet PDF

Download BTF3050TEATMA1 pdf datasheets and Infineon Technologies documentation for BTF3050TEATMA1 - Infineon Technologies.

Datasheets

Cylindrical Battery Holders.pdf

Other Related Documents

Part Number Guide.pdf

PCN Packaging



Cover Tape Width Update 17/Jun/2015.pdf



Mult Dev Pkg Box Chg 3/Jan/2018.pdf

PCN Design/Specification



Cylindrical Battery Holders.pdf

PCN Assembly/Origin



Wafer Production Site Add 10/Feb/2016.pdf

Customers Also Interested in

Recommended Products



UC37132N

Texas Instruments
IC PWR SWITCH BIPOLAR 1:1 14DIP



BTFW14P-3SSTE1LF

Amphenol ICC (FCI)
CONN PLUG 14POS SMD TIN



BTF-ZH491

N/A



BTF50060-1TEA

Cypress Semiconductor
(Infineon Technologies)



BTF6070-2ERV

Cypress Semiconductor
(Infineon Technologies)



BTF3050TE

Cypress Semiconductor
(Infineon Technologies)



BTF3050TE MOS

Cypress Semiconductor
(Infineon Technologies)



A6821SLWTR-T

Allegro MicroSystems
IC PWR DRIVER BIPOLAR 1:8
16SOIC



BTF3125EJXUMA1

Infineon Technologies
IC PWR SWITCH N-CHAN 1:1 TDSO-
8



MIC2025-2BM

Microchip Technology
IC PWR SWITCH N-CHAN 1:1 8SOIC



VN750S

STMicroelectronics
IC PWR DRIVER N-CANNEL 1:1 8SO



AP22811AW5-7

Diodes Incorporated
IC PWR SWITCH P-CHAN 1:1 SOT25



L9301-TR

STMicroelectronics
IC PWR DRIVER N-CANNEL
PWRSSO36



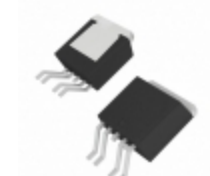
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IC PWR SWITCH P-CHAN 1:1 SOT23-
5



BTFW16R-3RSTE1LF

Amphenol ICC (FCI)
CONN RCPT 16POS R/A SMD TIN



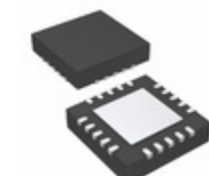
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Infineon Technologies
IC PWR SWITCH N-CHAN 1:1 D2PAK



TPS2052BDGN

Texas Instruments
IC PWR SWITCH N-CHAN 1:2 8MSOP



TPS2231MRGPR

Texas Instruments
IC PWR SWITCH 1:1 20QFN

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 Alleco 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@alleco.com

Certifications & Memberships



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