



International Rectifier (Infineon Technologies)

Technologies)



Image may be representation. See specifications for product details.

BTS3142DATMA1

|                     |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Part Number:        | BTS3142DATMA1                                                                                                       |
| Manufacturer/Brand: | International Rectifier (Infineon Technologies)                                                                     |
| Product description | IC SWITCH N-CH LOW SIDE DPAK                                                                                        |
| Datasheets:         |  <a href="#">BTS3142DATMA1.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant        |
| Stock Condition     | 106846 pcs stock                                                                                                    |
| Ship From           | Hong Kong                                                                                                           |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                               |

REQUEST FOR QUOTATION

Specifications of BTS3142DATMA1

|                                  |                                                                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | BTS3142DATMA1                                                                                                                                     |
| MANUFACTURER                     | International Rectifier (Infineon Technologies)                                                                                                   |
| DESCRIPTION                      | IC SWITCH N-CH LOW SIDE DPAK                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                        |
| QUANTITY AVAILABLE               | 106846 pcs                                                                                                                                        |
| DATA SHEET                       |  <a href="#">BTS3142DATMA1.pdf</a>                             |
| VOLTAGE - SUPPLY (VCC/VDD)       | Not Required                                                                                                                                      |
| VOLTAGE - LOAD                   | 42V (Max)                                                                                                                                         |
| SWITCH TYPE                      | General Purpose                                                                                                                                   |
| SUPPLIER DEVICE PACKAGE          | PG-TO252-3                                                                                                                                        |
| SERIES                           | HITFET®                                                                                                                                           |
| RDS ON (TYP)                     | 23 mOhm                                                                                                                                           |
| RATIO - INPUT:OUTPUT             | 1:1                                                                                                                                               |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                  |
| PACKAGE / CASE                   | TO-252-3, DPak (2 Leads + Tab), SC-63                                                                                                             |
| OUTPUT TYPE                      | N-Channel                                                                                                                                         |
| OUTPUT CONFIGURATION             | Low Side                                                                                                                                          |
| OTHER NAMES                      | BTS3142D<br>BTS3142D-ND<br>BTS3142DATMA1TR<br>BTS3142DT<br>BTS3142DTR<br>BTS3142DTR-ND<br>BTS3142DXT<br>PR000338178<br>SP000307117<br>SP000506218 |
| OPERATING TEMPERATURE            | -40°C ~ 150°C (TJ)                                                                                                                                |
| NUMBER OF OUTPUTS                | 1                                                                                                                                                 |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                        |
| INTERFACE                        | On/Off                                                                                                                                            |
| INPUT TYPE                       | Non-Inverting                                                                                                                                     |
| FEATURES                         | -                                                                                                                                                 |
| FAULT PROTECTION                 | Current Limiting (Fixed), Over Temperature, Over Voltage                                                                                          |
| CURRENT - OUTPUT (MAX)           | 4.6A                                                                                                                                              |
| BASE PART NUMBER                 | BTS3142                                                                                                                                           |

Related Tags

|                                                               |                                                          |                                                                   |
|---------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|
| International Rectifier (Infineon Technologies) BTS3142DATMA1 | BTS3142DATMA1 Distributor                                | BTS3142DATMA1 Supplier                                            |
| BTS3142DATMA1 Price                                           | BTS3142DATMA1 Pictures                                   | BTS3142DATMA1 Image                                               |
| BTS3142DATMA1 PDF Datasheet                                   | BTS3142DATMA1 Download Datasheet                         | BTS3142DATMA1 Datasheet                                           |
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| International Rectifier (Infineon Technologies) BTS3142DATMA1 | International Rectifier BTS3142DATMA1                    | Infineon Technologies BTS3142DATMA1                               |
| International Rectifier (Infineon Technologies) BTS3142DATMA1 | IR (Infineon Technologies) BTS3142DATMA1                 |                                                                   |

Related Products

|                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                  |
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|  <div><b>BTS3134NNT</b><br/>Manufacturers: International Rectifier (Infineon Technologies)<br/>Description: IC SWITCH N-CH LOW SIDE SOT223-4<br/>In stock: 4103 pcs</div> <div>RFQ</div>   |  <div><b>BTS3125TFATMA1</b><br/>Manufacturers: International Rectifier (Infineon Technologies)<br/>Description: IC SWITCH SMART LOWSIDE TO252-3<br/>In stock: 198122 pcs</div> <div>RFQ</div> |
|  <div><b>BTS3134DATMA1</b><br/>Manufacturers: International Rectifier (Infineon Technologies)<br/>Description: IC SWITCH N-CH LOW SIDE DPAK<br/>In stock: 41972 pcs</div> <div>RFQ</div>   |  <div><b>BTS3134NHUMA1</b><br/>Manufacturers: International Rectifier (Infineon Technologies)<br/>Description: IC SWITCH N-CH LOW SIDE SOT223-4<br/>In stock: 57243 pcs</div> <div>RFQ</div>  |
|  <div><b>BTS3205GXUMA1</b><br/>Manufacturers: International Rectifier (Infineon Technologies)<br/>Description: IC SWITCH PWR LOSIDE 8DSO<br/>In stock: 193583 pcs</div> <div>RFQ</div>     |  <div><b>BTS3142DNT</b><br/>Manufacturers: International Rectifier (Infineon Technologies)<br/>Description: IC PWR SWITCH LOW SIDE DPAK<br/>In stock: 5855 pcs</div> <div>RFQ</div>           |
|  <div><b>BTS3134NXT</b><br/>Manufacturers: International Rectifier (Infineon Technologies)<br/>Description: IC PWR SWITCH LOW SIDE DPAK<br/>In stock: 5921 pcs</div> <div>RFQ</div>        |  <div><b>BTS3125EJXUMA1</b><br/>Manufacturers: International Rectifier (Infineon Technologies)<br/>Description: IC LOW SIDE PWR SWITCH TDSO-8<br/>In stock: 103097 pcs</div> <div>RFQ</div>   |
|  <div><b>BTS3160DNT</b><br/>Manufacturers: International Rectifier (Infineon Technologies)<br/>Description: IC SWITCH PWR LOSIDE TO252-5<br/>In stock: 3428 pcs</div> <div>RFQ</div>       |  <div><b>BTS3160DAUMA1</b><br/>Manufacturers: International Rectifier (Infineon Technologies)<br/>Description: IC SWITCH PWR LOSIDE TO252-5<br/>In stock: 32680 pcs</div> <div>RFQ</div>      |
|  <div><b>BTS3205NHUSA1</b><br/>Manufacturers: International Rectifier (Infineon Technologies)<br/>Description: IC SWITCH PWR LOSIDE SOT223-4<br/>In stock: 111577 pcs</div> <div>RFQ</div> |  <div><b>BTS3207NHUMA1</b><br/>Manufacturers: International Rectifier (Infineon Technologies)<br/>Description: IC SWITCH N-CH LOW SIDE SOT223-4<br/>In stock: 81551 pcs</div> <div>RFQ</div>  |

