

Image may be representation.  
See specifications for product details.



## BTS640S2

Manufacturer Part Number	<b>BTS640S2</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-BTS640S2
ECAD Model	Request Free CAD Models
Parts Description	IC PWR SWITCH N-CHAN 1:1 TO220-7
Package	TO-220-7 Formed Leads
Data sheet	<b>BTS 640 S2.pdf</b>

**Get a Quote**

BTS640S2 - Infineon Technologies. New Original in Stock. Download Linear Technology BTS640S2 datasheet/specifications on AllelcoElec.com.  
Request a quote for BTS640S2, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

BTS640S2 Tech Specifications  
BTS640S2 - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Output Configuration	High Side
Voltage - Supply (Vcc/Vdd)	Not Required	Operating Temperature	-40°C ~ 150°C (TJ)
Voltage - Load	5V ~ 34V	Number of Outputs	1
Switch Type	General Purpose	Mounting Type	Through Hole
Supplier Device Package	P-TO220-7-11	Interface	On/Off
Series	PROFET®	Input Type	Non-Inverting
Rds On (Typ)	27mOhm	Features	Auto Restart, Status Flag
Ratio - Input:Output	1:1	Fault Protection	Current Limiting (Fixed), Over Temperature, Over Voltage
Package / Case	TO-220-7 Formed Leads	Current - Output (Max)	11.4A
Package	Tube	Base Product Number	BTS640S2
Output Type	N-Channel		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies BTS640S2

Product Attribute				
Part Number	BTS640S2	<b>BTS650P E3180A</b>	<b>BTS660P</b>	<b>BTS640S2S</b>
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Voltage - Load	5V ~ 34V	5V ~ 34V	5V ~ 58V	5V ~ 34V
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
Rds On (Typ)	27mOhm	4.4mOhm	7.2mOhm	27mOhm
Series	PROFET®	PROFET®	PROFET®	PROFET®
Fault Protection	Current Limiting (Fixed), Over Temperature, Over Voltage	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage	Current Limiting (Fixed), Over Temperature, Over Voltage
Number of Outputs	1	1	1	1
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Voltage - Supply (Vcc/Vdd)	Not Required	Not Required	Not Required	Not Required
Output Configuration	High Side	High Side	High Side	High Side
Current - Output (Max)	11.4A	55A	38A	11.4A
Features	Auto Restart, Status Flag	Auto Restart	-	Auto Restart, Status Flag
Package / Case	TO-220-7 Formed Leads	TO-263-8, D²Pak (7 Leads + Tab), TO-263CA	TO-220-7	TO-220-7
Supplier Device Package	P-TO220-7-11	PG-TO220-7-180	P-TO220-7-3	PG-TO220-7-12
Mounting Type	Through Hole	Surface Mount	Through Hole	Through Hole
Interface	On/Off	On/Off	On/Off	On/Off
Ratio - Input:Output	1:1	1:1	1:1	1:1
Base Product Number	BTS640S2	BTS650	BTS660	BTS640S2
Package	Tube	Tape & Reel (TR)	Tube	Tube
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)

### BTS640S2 Datasheet PDF

Download BTS640S2 pdf datasheets and Infineon Technologies documentation for BTS640S2 - Infineon Technologies.

#### Datasheets

**BTS 640 S2.pdf**



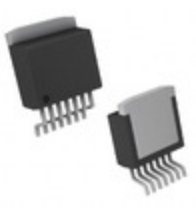















#### Other Related Documents

**Part Number Guide.pdf**

 Multiple Devices 21/Aug/2007.pdf

## Customers Also Interested in

### Recommended Products

					
<b>BTS650P E3180A</b> Infineon Technologies IC PWR SWITCH N-CHAN 1:1 TO220-7	<b>BTS660P</b> Infineon Technologies IC PWR SWITCH N-CHAN 1:1 TO220-7	<b>BTS640S2S</b> Infineon Technologies IC PWR SWITCH N-CHAN 1:1 TO220-7	<b>BTS629A</b> Cypress Semiconductor (Infineon Technologies)	<b>BTS640S2GATMA1</b> Infineon Technologies IC PWR SWITCH N-CHAN 1:1 TO263-7	<b>BTS630</b> Cypress Semiconductor (Infineon Technologies)
					
<b>BTS6163DAUMA1</b> Infineon Technologies IC PWR SWITCH N-CHAN 1:1 TO252-5	<b>BTS6510B</b> Infineon Technologies IC PWR SWITCH N-CHAN 1:1 TO220-7	<b>BTS640S2G</b> Cypress Semiconductor (Infineon Technologies)	<b>BTS620L1</b> Cypress Semiconductor (Infineon Technologies)	<b>BTS629</b> Cypress Semiconductor (Infineon Technologies)	<b>BTS650P</b> Infineon Technologies IC PWR SWITCH N-CHAN 1:1 TO220-7
					
<b>BTS621L1 E3128A</b> Infineon Technologies IC PWR SWITCH N-CHAN 1:1 TO263-7	<b>BTS660P E3180A</b> Infineon Technologies IC PWR SWITCH N-CHAN 1:1 TO220-7	<b>BTS6480SF</b> Infineon Technologies SPOC SPI POWER CONTROLLER	<b>BTS621L1 E3230</b> Infineon Technologies IC PWR SWITCH N-CHAN 1:1 TO220-7	<b>BTS660P MOS</b> Cypress Semiconductor (Infineon Technologies)	<b>BTS621L1</b> Infineon Technologies IC PWR SWITCH N-CHAN 1:1 TO220-7

## 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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### Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong  
Phone: +00852 9146 4856  
Fax: +00852 3010 8510  
Email: info@Allelco.com