

Image may be representation.  
See specifications for product details.



## BTS51802EKAXUMA1

Manufacturer Part Number	<b>BTS51802EKAXUMA1</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-BTS51802EKAXUMA1
ECAD Model	Request Free CAD Models
Parts Description	IC PWR SWITCH N-CHAN 1:1 DSO-14
Package	14-SOIC (0.154", 3.90mm Width) Exposed Pad
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

BTS51802EKAXUMA1 - Infineon Technologies. New Original in Stock. Download Linear Technology BTS51802EKAXUMA1 datasheet/specifications on AllelcoElec.com. Request a quote for BTS51802EKAXUMA1, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

BTS51802EKAXUMA1 Tech Specifications  
BTS51802EKAXUMA1 - 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	8V ~ 18V	Number of Outputs	2
Switch Type	General Purpose	Mounting Type	Surface Mount
Supplier Device Package	PG-DSO-14-40-EP	Interface	On/Off
Series	PROFET®	Input Type	Non-Inverting
Rds On (Typ)	330mOhm	Features	-
Ratio - Input:Output	1:1	Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage
Package / Case	14-SOIC (0.154", 3.90mm Width) Exposed Pad	Current - Output (Max)	1.5A
Package	Tape & Reel (TR)	Base Product Number	BTS5180
Output Type	N-Channel		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies BTS51802EKAXUMA1

Product Attribute				
Part Number	BTS51802EKAXUMA1	BTS51202EKAXUMA1	BTS5210G	BTS5210LAUMA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Base Product Number	BTS5180	BTS5120	BTS5210	BTS5210
Voltage - Supply (Vcc/Vdd)	Not Required	Not Required	Not Required	Not Required
Fault Protection	Current Limiting (Fixed), Open Load Detect, 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), Open Load Detect, Over Temperature, Over Voltage
Features	-	-	-	-
Output Configuration	High Side	High Side	High Side	High Side
Interface	On/Off	On/Off	On/Off	On/Off
Number of Outputs	2	2	2	2
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Load	8V ~ 18V	5V ~ 28V	5.5V ~ 40V	5.5V ~ 40V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Bulk	Tape & Reel (TR)
Current - Output (Max)	1.5A	2A	1.8A	1.8A
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Ratio - Input:Output	1:1	1:1	1:1	1:1
Series	PROFET®	PROFET®	Automotive, AEC-Q100, PROFET®	-
Package / Case	14-SOIC (0.154", 3.90mm Width) Exposed Pad	14-SOIC (0.154", 3.90mm Width) Exposed Pad	14-SOIC (0.154", 3.90mm Width)	12-BSOP (0.295", 7.50mm Width) Exposed Pad
Supplier Device Package	PG-DSO-14-40-EP	PG-DSO-14-40-EP	PG-DSO-14	PG-DSO-12-9
Rds On (Typ)	330mOhm	120mOhm	110mOhm	110mOhm

### BTS51802EKAXUMA1 Datasheet PDF

Download BTS51802EKAXUMA1 pdf datasheets and Infineon Technologies documentation for BTS51802EKAXUMA1 - Infineon Technologies.

#### Datasheets

















[Cylindrical Battery Holders.pdf](#)

#### Other Related Documents

[Part Number Guide.pdf](#)

## Customers Also Interested in

### Recommended Products

					
<b>BTS5200-4EKA</b> Cypress Semiconductor (Infineon Technologies)	<b>BTS5090-2EKA</b> Cypress Semiconductor (Infineon Technologies)	<b>BTS5090-E2</b> Cypress Semiconductor (Infineon Technologies)	<b>BTS51202EKAXUMA1</b> Infineon Technologies IC PWR SWITCH N-CHAN 1:1 DSO-14	<b>BTS5215L</b> Cypress Semiconductor (Infineon Technologies)	<b>BTS5210G</b> Infineon Technologies BUFFER/INVERTER BASED PERIPHERAL
					
<b>BTS5180-2EKA</b> Cypress Semiconductor (Infineon Technologies)	<b>BTS5210LAUMA1</b> Infineon Technologies IC PWR SWITCH N-CHAN 1:1 DSO-12	<b>BTS50901EJAXUMA1</b> Infineon Technologies IC PWR SWITCH N-CHAN 1:1 DSO-8	<b>BTS5200-1EJA</b> Cypress Semiconductor (Infineon Technologies)	<b>BTS5090-1EJA</b> Cypress Semiconductor (Infineon Technologies)	<b>BTS5210GXUMA1</b> Infineon Technologies IC PWR SWITCH N-CHAN 1:1 DSO-14
					
<b>BTS5180-2E</b> Cypress Semiconductor (Infineon Technologies)	<b>BTS5210L</b> Cypress Semiconductor (Infineon Technologies)	<b>BTS52004EKAXUMA1</b> Infineon Technologies IC PWR SWITCH N-CHAN 1:1 DSO-14	<b>BTS5090-2E</b> Cypress Semiconductor (Infineon Technologies)	<b>BTS5090-EJA</b> Cypress Semiconductor (Infineon Technologies)	<b>BTS5120-2EKA</b> Infineon Technologies BTS5120 - PROFET - SMART HIGH SI

## 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

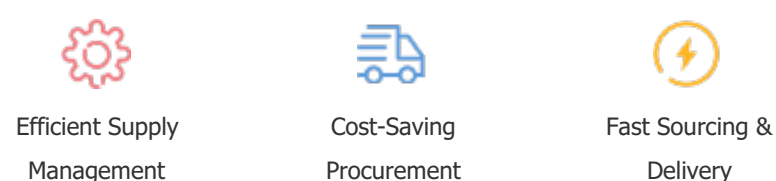
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### Payment Support

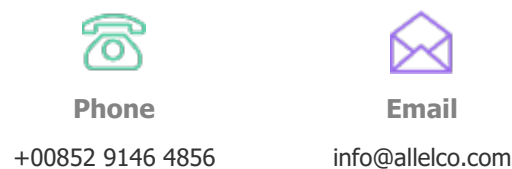
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,  
PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



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