



## BSC016N03MSG

Manufacturer Part Number	<b>BSC016N03MSG</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-BSC016N03MSG
ECAD Model	Request Free CAD Models
Parts Description	<b>BSC016N03 - 12V-300V N-CHANNEL P</b>
Package	-
Data sheet	BSC016N03MSG.pdf



**Get a Quote**

BSC016N03MSG - Infineon Technologies. New Original in Stock. Download Linear Technology BSC016N03MSG datasheet/specifications on AllelcoElec.com.  
Request a quote for BSC016N03MSG, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

BSC016N03MSG Tech Specifications  
BSC016N03MSG - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Mounting Type	-
Vgs(th) (Max) @ Id	-	Input Capacitance (Ciss) (Max) @ Vds	-
Vgs (Max)	-	Gate Charge (Qg) (Max) @ Vgs	-
Technology	-	FET Type	-
Supplier Device Package	-	FET Feature	-
Rds On (Max) @ Id, Vgs	-	Drive Voltage (Max Rds On, Min Rds On)	-
Power Dissipation (Max)	-	Drain to Source Voltage (Vdss)	-
Package / Case	-	Current - Continuous Drain (Id) @ 25°C	-
Operating Temperature	-		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies BSC016N03MSG

Product Attribute	NO PICTURE			
Part Number	BSC016N03MSG	BSC016N06NSATMA1	BSC014NE2LSIATMA1	BSC014N06NSATMA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Current - Continuous Drain (Id) @ 25°C	-	30A (Ta), 100A (Tc)	33A (Ta), 100A (Tc)	30A (Ta), 100A (Tc)
Rds On (Max) @ Id, Vgs	-	1.6mOhm @ 50A, 10V	1.4mOhm @ 30A, 10V	1.45mOhm @ 50A, 10V
Drive Voltage (Max Rds On, Min Rds On)	-	6V, 10V	4.5V, 10V	6V, 10V
Operating Temperature	-	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Drain to Source Voltage (Vdss)	-	60 V	25 V	60 V
Power Dissipation (Max)	-	2.5W (Ta), 139W (Tc)	2.5W (Ta), 74W (Tc)	2.5W (Ta), 156W (Tc)
Vgs(th) (Max) @ Id	-	2.8V @ 95µA	2V @ 250µA	2.8V @ 120µA
FET Feature	-	-	-	-
Vgs (Max)	-	±20V	±20V	±20V
Supplier Device Package	-	PG-TDSON-8 FL	PG-TDSON-8-7	PG-TDSON-8-17
Gate Charge (Qg) (Max) @ Vgs	-	71 nC @ 10 V	39 nC @ 10 V	89 nC @ 10 V
Mounting Type	-	Surface Mount	Surface Mount	Surface Mount
Input Capacitance (Ciss) (Max) @ Vds	-	5200 pF @ 30 V	2700 pF @ 12 V	6500 pF @ 30 V
Package / Case	-	8-PowerTDFN	8-PowerTDFN	8-PowerTDFN
Technology	-	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Type	-	N-Channel	N-Channel	N-Channel

### Customers Also Interested in

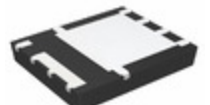
#### Recommended Products



**BSC016N03LS**  
Cypress Semiconductor  
(Infineon Technologies)



**BSC014NE2LSI**  
Cypress Semiconductor  
(Infineon Technologies)



**BSC016N06NSATMA1**  
Infineon Technologies  
MOSFET N-CH 60V 30A/100A TDSON



**BSC014NE2LSIATMA1**  
Infineon Technologies  
MOSFET N-CH 25V 33A/100A TDSON



**BSC016N03LSG MOS**  
Cypress Semiconductor  
(Infineon Technologies)



**BSC014N06NSATMA1**  
Infineon Technologies  
MOSFET N-CH 60V 30A/100A TDSON7



**BSC016N03MS**  
Cypress Semiconductor  
(Infineon Technologies)



**BSC016N04LS**  
Cypress Semiconductor  
(Infineon Technologies)



NO PICTURE

**BSC017N04NS**  
VBSEMI



**BSC016N03LSG**  
Infineon Technologies  
BSC016N03 - 12V-300V N-CHANNEL P



**BSC016N04LSG**  
Cypress Semiconductor  
(Infineon Technologies)



**BSC016N06NS**  
Cypress Semiconductor  
(Infineon Technologies)



**BSC018N04LSG**

INF1NEON

**BSC015NE2LS5IATMA1**

Infineon Technologies  
MOSFET N-CH 25V 33A/100A TDSO

**BSC017N04NSG**

Cypress Semiconductor  
(Infineon Technologies)

**BSC016N06NS MOS**

Cypress Semiconductor  
(Infineon Technologies)

**BSC018N04LS**

Cypress Semiconductor  
(Infineon Technologies)

**BSC014NE2LSIXT**

Cypress Semiconductor  
(Infineon Technologies)

## 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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Email

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### Certifications & Memberships



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