



# BSC520N15NS3GATMA1

Manufacturer Part Number	<b>BSC520N15NS3GATMA1</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-BSC520N15NS3GATMA1
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 150V 21A TDSON-8-5
Package	8-PowerTDFN
Data sheet	BSC520N15NS3GATMA1.pdf
RoHs Status	ROHS3 Compliant



**Get a Quote**

BSC520N15NS3GATMA1 - Infineon Technologies. New Original in Stock. Download Linear Technology BSC520N15NS3GATMA1 datasheet/specifications on AllelcoElec.com.  
Request a quote for BSC520N15NS3GATMA1, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

BSC520N15NS3GATMA1 Tech Specifications  
BSC520N15NS3GATMA1 - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	4V @ 35µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	890 pF @ 75 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	12 nC @ 10 V
Supplier Device Package	PG-TDSON-8-5	FET Type	N-Channel
Series	OptiMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	52mOhm @ 18A, 10V	Drive Voltage (Max Rds On, Min Rds On)	8V, 10V
Power Dissipation (Max)	57W (Tc)	Drain to Source Voltage (Vdss)	150 V
Package / Case	8-PowerTDFN	Current - Continuous Drain (Id) @ 25°C	21A (Tc)
Package	Tape & Reel (TR)	Base Product Number	BSC520

## Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies BSC520N15NS3GATMA1

Product Attribute	NO PICTURE			
Part Number	BSC520N15NS3GATMA1	BSC440N10NS3GATMA1	BSC750N10ND	BSC600N25NS3G
Manufacturer	Infineon Technologies	Infineon Technologies	Cypress Semiconductor (Infineon Technologies)	Cypress Semiconductor (Infineon Technologies)
Input Capacitance (Ciss) (Max) @ Vds	890 pF @ 75 V	810 pF @ 50 V	-	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	-	-
FET Type	N-Channel	N-Channel	-	-
Base Product Number	BSC520	BSC440	-	-
Package / Case	8-PowerTDFN	8-PowerTDFN	-	-
Rds On (Max) @ Id, Vgs	52mOhm @ 18A, 10V	44mOhm @ 12A, 10V	-	-
Drive Voltage (Max Rds On, Min Rds On)	8V, 10V	6V, 10V	-	-
Mounting Type	Surface Mount	Surface Mount	-	-
Vgs(th) (Max) @ Id	4V @ 35µA	3.5V @ 12µA	-	-
Power Dissipation (Max)	57W (Tc)	29W (Tc)	-	-
Gate Charge (Qg) (Max) @ Vgs	12 nC @ 10 V	10.8 nC @ 10 V	-	-
FET Feature	-	-	-	-
Supplier Device Package	PG-TDSON-8-5	PG-TDSON-8-1	-	-
Current - Continuous Drain (Id) @ 25°C	21A (Tc)	5.3A (Ta), 18A (Tc)	-	-
Vgs (Max)	±20V	±20V	-	-
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-	-
Series	OptiMOS™	OptiMOS™	-	-
Drain to Source Voltage (Vdss)	150 V	100 V	-	-

## BSC520N15NS3GATMA1 Datasheet PDF

Download BSC520N15NS3GATMA1 pdf datasheets and Infineon Technologies documentation for BSC520N15NS3GATMA1 - Infineon Technologies.

### Other Related Documents

Part Number Guide.pdf

### PCN Packaging

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

Mult Dev Reel Design Chg 2/Dec/2019.pdf

### PCN Other

[Empty box]

PCN Assembly/Origin

Customers Also Interested in

Recommended Products



**BSC750N10ND**

Cypress Semiconductor  
(Infineon Technologies)



**BSC600N25NS3G**

Cypress Semiconductor  
(Infineon Technologies)



**BSC59N03NS3G**

Cypress Semiconductor  
(Infineon Technologies)



**BSC440N10NS3**

Cypress Semiconductor  
(Infineon Technologies)



**BSC750N10NDG**

Cypress Semiconductor  
(Infineon Technologies)



**BSC520N15NS3G**

Cypress Semiconductor  
(Infineon Technologies)



**BSC430N25NSFD**

Cypress Semiconductor  
(Infineon Technologies)



**BSC52N03S**

Cypress Semiconductor  
(Infineon Technologies)



**BSC500N20NS3G**

Cypress Semiconductor  
(Infineon Technologies)



**BSC440N10NS3GATMA1**

Infineon Technologies  
MOSFET N-CH 100V 5.3A/18A  
TDSO8



**BSC520N15NS**

Cypress Semiconductor  
(Infineon Technologies)



**BSC59N03S**

Cypress Semiconductor  
(Infineon Technologies)



**BSC500N20NS3**

Cypress Semiconductor  
(Infineon Technologies)



**BSC600N25NS3G MOS**

Cypress Semiconductor  
(Infineon Technologies)



**BSC520N15NS3G MOS**

Cypress Semiconductor  
(Infineon Technologies)



**BSC440N10NS3G**

Cypress Semiconductor  
(Infineon Technologies)



**BSC520N15NS3**

Cypress Semiconductor  
(Infineon Technologies)



**BSC600N25NS3**

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.

- Phone  
+00852 9146 4856
- Email  
info@allelco.com

Certifications & Memberships



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