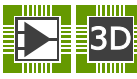





# BSC0902NSIATMA1

Manufacturer Part Number	<b>BSC0902NSIATMA1</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-BSC0902NSIATMA1
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 30V 23A/100A TDSON
Package	8-PowerTDFN
Data sheet	BSC0902NSIATMA1.pdf
RoHs Status	 ROHS3 Compliant



**Get a Quote**

BSC0902NSIATMA1 - Infineon Technologies. New Original in Stock. Download Linear Technology BSC0902NSIATMA1 datasheet/specifications on AllelcoElec.com.

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## Specifications





BSC0902NSIATMA1 Tech Specifications

BSC0902NSIATMA1 - 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	2V @ 10mA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	1500 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	32 nC @ 10 V
Supplier Device Package	PG-TDSON-8-6	FET Type	N-Channel
Series	OptiMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	2.8mOhm @ 30A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	2.5W (Ta), 48W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	8-PowerTDFN	Current - Continuous Drain (Id) @ 25°C	23A (Ta), 100A (Tc)
Package	Tape & Reel (TR)	Base Product Number	BSC0902

## Parts with Similar Specifications


The three parts on the right have similar specifications to Infineon Technologies BSC0902NSIATMA1

Product Attribute	 NO PICTURE			
Part Number	BSC0902NSIATMA1	BSC0902NSATMA1	BSC0901INSATMA1	BSC0906NSATMA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Input Capacitance (Ciss) (Max) @ Vds	1500 pF @ 15 V	1700 pF @ 15 V	2800 pF @ 15 V	870 pF @ 15 V
Base Product Number	BSC0902	BSC0902	BSC0901	BSC0906
Drain to Source Voltage (Vdss)	30 V	30 V	30 V	30 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Vgs(th) (Max) @ Id	2V @ 10mA	2.2V @ 250µA	2.2V @ 250µA	2V @ 250µA
Vgs (Max)	±20V	±20V	±20V	±20V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Gate Charge (Qg) (Max) @ Vgs	32 nC @ 10 V	26 nC @ 10 V	44 nC @ 10 V	13 nC @ 10 V
Rds On (Max) @ Id, Vgs	2.8mOhm @ 30A, 10V	2.6mOhm @ 30A, 10V	1.9mOhm @ 30A, 10V	4.5mOhm @ 30A, 10V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	PG-TDSON-8-6	PG-TDSON-8-6	PG-TDSON-8-5	PG-TDSON-8-6
Power Dissipation (Max)	2.5W (Ta), 48W (Tc)	2.5W (Ta), 48W (Tc)	2.5W (Ta), 69W (Tc)	2.5W (Ta), 30W (Tc)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Series	OptiMOS™	OptiMOS™	OptiMOS™	OptiMOS™
FET Feature	-	-	-	-
Current - Continuous Drain (Id) @ 25°C	23A (Ta), 100A (Tc)	24A (Ta), 100A (Tc)	28A (Ta), 100A (Tc)	18A (Ta), 63A (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Package / Case	8-PowerTDFN	8-PowerTDFN	8-PowerTDFN	8-PowerTDFN
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V


## BSC0902NSIATMA1 Datasheet PDF

Download BSC0902NSIATMA1 pdf datasheets and Infineon Technologies documentation for BSC0902NSIATMA1 - 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 Design/Specification



















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PCN Assembly/Origin

Customers Also Interested in

Recommended Products

					
<b>BSC0906NS</b> Cypress Semiconductor (Infineon Technologies)	<b>BSC0902NSATMA1</b> Infineon Technologies MOSFET N-CH 30V 24A/100A TDSO	<b>BSC0908NS MOS</b> Cypress Semiconductor (Infineon Technologies)	<b>BSC0904NSI MOS</b> Cypress Semiconductor (Infineon Technologies)	<b>BSC0904NSH</b> Cypress Semiconductor (Infineon Technologies)	<b>BSC0901NSATMA1</b> Infineon Technologies MOSFET N-CH 30V 28A/100A TDSO
					
<b>BSC0904NSI</b> Cypress Semiconductor (Infineon Technologies)	<b>BSC0906NSATMA1</b> Infineon Technologies MOSFET N-CH 30V 18A/63A TDSO	<b>BSC08N03LS</b> INFINEONO	<b>BSC0902NS MOS</b> Cypress Semiconductor (Infineon Technologies)	<b>BSC0902NS</b> Cypress Semiconductor (Infineon Technologies)	<b>BSC0901NS MOS</b> Cypress Semiconductor (Infineon Technologies)
					
<b>BSC0908NS</b> Infineon Technologies N-CHANNEL POWER MOSFET	<b>BSC0901NSI</b> INFENION	<b>BSC0902NSI</b> Cypress Semiconductor (Infineon Technologies)	<b>BSC0906NS MOS</b> Cypress Semiconductor (Infineon Technologies)	<b>BSC0901NS</b> Cypress Semiconductor (Infineon Technologies)	<b>BSC0902NSI MOS</b> 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.

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