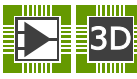





BSC0902NSATMA1

Manufacturer Part Number	BSC0902NSATMA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-BSC0902NSATMA1
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 30V 24A/100A TDSON
Package	8-PowerTDFN
Data sheet	BSC0902NSATMA1.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

BSC0902NSATMA1 - Infineon Technologies. New Original in Stock. Download Linear Technology BSC0902NSATMA1 datasheet/specifications on AllelcoElec.com.

Request a quote for BSC0902NSATMA1, please send us email: info@allelco.com

Specifications





BSC0902NSATMA1 Tech Specifications

BSC0902NSATMA1 - 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	2.2V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	1700 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	26 nC @ 10 V
Supplier Device Package	PG-TDSON-8-6	FET Type	N-Channel
Series	OptiMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	2.6mOhm @ 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	24A (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 BSC0902NSATMA1

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


BSC0902NSATMA1 Datasheet PDF

Download BSC0902NSATMA1 pdf datasheets and Infineon Technologies documentation for BSC0902NSATMA1 - 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

Optimos Site/Mat Chgs 30/May/2022.pdf

Customers Also Interested in

Recommended Products

BSC0902NSI MOS Cypress Semiconductor (Infineon Technologies)	BSC085N025SG Cypress Semiconductor (Infineon Technologies)	BSC0906NS Cypress Semiconductor (Infineon Technologies)	BSC0902NS Cypress Semiconductor (Infineon Technologies)	BSC0902NSIATMA1 Infineon Technologies MOSFET N-CH 30V 23A/100A TDSO	BSC0906NS MOS Cypress Semiconductor (Infineon Technologies)
BSC0901NSI INFENION	BSC0902NS MOS Cypress Semiconductor (Infineon Technologies)	BSC084P03NS3G Cypress Semiconductor (Infineon Technologies)	BSC0901NS Cypress Semiconductor (Infineon Technologies)	BSC08N03LS INFINEONO	BSC0904NSH Cypress Semiconductor (Infineon Technologies)
BSC0901NSATMA1 Infineon Technologies MOSFET N-CH 30V 28A/100A TDSO	BSC0902NSI Cypress Semiconductor (Infineon Technologies)	BSC0901NS MOS Cypress Semiconductor (Infineon Technologies)	BSC0906NSATMA1 Infineon Technologies MOSFET N-CH 30V 18A/63A TDSO	BSC0908NS Infineon Technologies N-CHANNEL POWER MOSFET	BSC084P3NS 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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