



BSC0503NSIATMA1

Manufacturer Part Number	BSC0503NSIATMA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-BSC0503NSIATMA1
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 30V 22A/88A TDFN
Package	8-PowerTDFN
Data sheet	BSC0503NSIATMA1.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

BSC0503NSIATMA1 - Infineon Technologies. New Original in Stock. Download Linear Technology BSC0503NSIATMA1 datasheet/specifications on AllelcoElec.com.

Request a quote for BSC0503NSIATMA1, please send us email: info@allelco.com

Specifications

BSC0503NSIATMA1 Tech Specifications

BSC0503NSIATMA1 - 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 @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	1300 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	20 nC @ 10 V
Supplier Device Package	PG-TDSON-8-6	FET Type	N-Channel
Series	OptiMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	3mOhm @ 30A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	2.5W (Ta), 36W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	8-PowerTDFN	Current - Continuous Drain (Id) @ 25°C	22A (Ta), 88A (Tc)
Package	Tape & Reel (TR)	Base Product Number	BSC0503

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies BSC0503NSIATMA1

Product Attribute				
Part Number	BSC0503NSIATMA1	BSC047N08NS3GATMA1	BSC050N03LSGATMA1	BSC0502NSIATMA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Supplier Device Package	PG-TDSON-8-6	PG-TDSON-8-1	PG-TDSON-8-5	PG-TDSON-8-6
Vgs(th) (Max) @ Id	2V @ 250µA	3.5V @ 90µA	2.2V @ 250µA	2V @ 250µA
Drain to Source Voltage (Vdss)	30 V	80 V	30 V	30 V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Power Dissipation (Max)	2.5W (Ta), 36W (Tc)	2.5W (Ta), 125W (Tc)	2.5W (Ta), 50W (Tc)	2.5W (Ta), 43W (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	6V, 10V	4.5V, 10V	4.5V, 10V
Rds On (Max) @ Id, Vgs	3mOhm @ 30A, 10V	4.7mOhm @ 50A, 10V	5mOhm @ 30A, 10V	2.3mOhm @ 30A, 10V
Vgs (Max)	±20V	±20V	±20V	±20V
Gate Charge (Qg) (Max) @ Vgs	20 nC @ 10 V	69 nC @ 10 V	35 nC @ 10 V	26 nC @ 10 V
FET Feature	-	-	-	-
Base Product Number	BSC0503	BSC047	BSC050	BSC0502
Input Capacitance (Ciss) (Max) @ Vds	1300 pF @ 15 V	4800 pF @ 40 V	2800 pF @ 15 V	1600 pF @ 15 V
Series	OptiMOS™	OptiMOS™	OptiMOS™	OptiMOS™
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Current - Continuous Drain (Id) @ 25°C	22A (Ta), 88A (Tc)	18A (Ta), 100A (Tc)	18A (Ta), 80A (Tc)	26A (Ta), 100A (Tc)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Package / Case	8-PowerTDFN	8-PowerTDFN	8-PowerTDFN	8-PowerTDFN

BSC0503NSIATMA1 Datasheet PDF

Download BSC0503NSIATMA1 pdf datasheets and Infineon Technologies documentation for BSC0503NSIATMA1 - 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 Assembly/Origin

Customers Also Interested in

Recommended Products

 BSC050N03M Cypress Semiconductor (Infineon Technologies)	 BSC047N08NS3G Cypress Semiconductor (Infineon Technologies)	 BSC048N025SG MOS Cypress Semiconductor (Infineon Technologies)	 BSC047N08NS3 Cypress Semiconductor (Infineon Technologies)	 BSC050N03S Cypress Semiconductor (Infineon Technologies)	 BSC050N03LSG MOS Cypress Semiconductor (Infineon Technologies)
 BSC050N03LSG Cypress Semiconductor (Infineon Technologies)	 BSC048N025SG Cypress Semiconductor (Infineon Technologies)	 BSC047N08NS3G MOS Cypress Semiconductor (Infineon Technologies)	 BSC047N08NS3GATMA1 Infineon Technologies MOSFET N-CH 80V 18A/100A TDSO	 BSC0504NSI Cypress Semiconductor (Infineon Technologies)	 BSC050N03LS Cypress Semiconductor (Infineon Technologies)
 BSC050N03LSGATMA1 Infineon Technologies MOSFET N-CH 30V 18A/80A TDSO	 BSC050N04LS Cypress Semiconductor (Infineon Technologies)	 BSC050N03MS QFN	 BSC0502NSIATMA1 Infineon Technologies MOSFET N-CH 30V 26A/100A TDSO	 BSC0503NSI Cypress Semiconductor (Infineon Technologies)	 BSC050N03MSG VBSEMI

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.



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-  Efficient Supply Management
-  Cost-Saving Procurement
-  Fast Sourcing & Delivery

Contact us if you have any questions.

-  Phone
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Certifications & Memberships



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