



BSC110N15NS5ATMA1

Manufacturer Part Number	BSC110N15NS5ATMA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-BSC110N15NS5ATMA1
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 150V 76A TDSON
Package	8-PowerTDFN
Data sheet	BSC110N15NS5ATMA1.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

BSC110N15NS5ATMA1 - Infineon Technologies. New Original in Stock. Download Linear Technology BSC110N15NS5ATMA1 datasheet/specifications on AllelcoElec.com.

Request a quote for BSC110N15NS5ATMA1, please send us email: info@allelco.com

Specifications

BSC110N15NS5ATMA1 Tech Specifications

BSC110N15NS5ATMA1 - 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	4.6V @ 91µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	2770 pF @ 75 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	35 nC @ 10 V
Supplier Device Package	PG-TDSON-8-7	FET Type	N-Channel
Series	OptiMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	11mOhm @ 38A, 10V	Drive Voltage (Max Rds On, Min Rds On)	8V, 10V
Power Dissipation (Max)	125W (Tc)	Drain to Source Voltage (Vdss)	150 V
Package / Case	8-PowerTDFN	Current - Continuous Drain (Id) @ 25°C	76A (Tc)
Package	Tape & Reel (TR)	Base Product Number	BSC110

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies BSC110N15NS5ATMA1

Product Attribute				
Part Number	BSC110N15NS5ATMA1	BSC119N03MSCG	BSC110N06NS3GATMA1	BSC118N10NSG
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Input Capacitance (Ciss) (Max) @ Vds	2770 pF @ 75 V	1500 pF @ 15 V	2700 pF @ 30 V	3700 pF @ 50 V
Power Dissipation (Max)	125W (Tc)	2.5W (Ta), 28W (Tc)	2.5W (Ta), 50W (Tc)	114W (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	150 V	30 V	60 V	100 V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Vgs (Max)	±20V	±20V	±20V	±20V
Package	Tape & Reel (TR)	Bulk	Tape & Reel (TR)	Bulk
Drive Voltage (Max Rds On, Min Rds On)	8V, 10V	4.5V, 10V	10V	10V
Series	OptiMOS™	OptiMOS™3	OptiMOS™	OptiMOS™ 2
Gate Charge (Qg) (Max) @ Vgs	35 nC @ 10 V	20 nC @ 10 V	33 nC @ 10 V	56 nC @ 10 V
Rds On (Max) @ Id, Vgs	11mOhm @ 38A, 10V	11.9mOhm @ 30A, 10V	11mOhm @ 50A, 10V	11.8mOhm @ 50A, 10V
Supplier Device Package	PG-TDSON-8-7	PG-TDSON-8	PG-TDSON-8-5	PG-TDSON-8-1
FET Feature	-	-	-	-
Package / Case	8-PowerTDFN	8-PowerTDFN	8-PowerTDFN	8-PowerTDFN
Current - Continuous Drain (Id) @ 25°C	76A (Tc)	11A (Ta), 39A (Tc)	50A (Tc)	11A (Ta), 71A (Tc)
Base Product Number	BSC110	-	BSC110	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Vgs(th) (Max) @ Id	4.6V @ 91µA	2V @ 250µA	4V @ 23µA	4V @ 70µA

BSC110N15NS5ATMA1 Datasheet PDF

Download BSC110N15NS5ATMA1 pdf datasheets and Infineon Technologies documentation for BSC110N15NS5ATMA1 - 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

PCN Assembly/Origin

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

Customers Also Interested in

Recommended Products

					
BSC110N15NSS5 Cypress Semiconductor (Infineon Technologies)	BSC110N15NS5 Cypress Semiconductor (Infineon Technologies)	BSC110N06NS3G Cypress Semiconductor (Infineon Technologies)	BSC110N06NSG Cypress Semiconductor (Infineon Technologies)	BSC118N10NSG MOS Cypress Semiconductor (Infineon Technologies)	BSC109N10NS3G MOS Cypress Semiconductor (Infineon Technologies)
					
BSC119N03MSCG Infineon Technologies N-CHANNEL POWER MOSFET	BSC117N08NS5 Cypress Semiconductor (Infineon Technologies)	BSC110N06NS Cypress Semiconductor (Infineon Technologies)	BSC110N06NS3 Cypress Semiconductor (Infineon Technologies)	BSC117N08NS5 MOS Cypress Semiconductor (Infineon Technologies)	BSC110N06NS3GATMA1 Infineon Technologies MOSFET N-CH 60V 50A TDSO-N8
					
BSC118N10NSG Infineon Technologies BSC118N10 - 12V-300V N-CHANNEL P	BSC110N06NS3G MOS Cypress Semiconductor (Infineon Technologies)	BSC117N08NS5ATMA1 Infineon Technologies MOSFET N-CH 80V 49A TDSO-N	BSC109N10NS3G Cypress Semiconductor (Infineon Technologies)	BSC109N10NS3GATMA1 Infineon Technologies MOSFET N-CH 100V 63A TDSO-N-8-1	BSC119N03LSCG 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



View More