



BSC120N03LSGATMA1

Manufacturer Part Number	BSC120N03LSGATMA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-BSC120N03LSGATMA1
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 30V 12A/39A TDFN
Package	8-PowerTDFN
Data sheet	BSC120N03LSGATMA1.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

BSC120N03LSGATMA1 - Infineon Technologies. New Original in Stock. Download Linear Technology BSC120N03LSGATMA1 datasheet/specifications on AllelcoElec.com.
Request a quote for BSC120N03LSGATMA1, please send us email: info@allelco.com

Specifications

BSC120N03LSGATMA1 Tech Specifications
BSC120N03LSGATMA1 - 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	1200 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	15 nC @ 10 V
Supplier Device Package	PG-TDSON-8-5	FET Type	N-Channel
Series	OptiMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	12mOhm @ 30A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	2.5W (Ta), 28W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	8-PowerTDFN	Current - Continuous Drain (Id) @ 25°C	12A (Ta), 39A (Tc)
Package	Tape & Reel (TR)	Base Product Number	BSC120

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies BSC120N03LSGATMA1

Product Attribute	NO PICTURE			
Part Number	BSC120N03LSGATMA1	BSC120N03MSGATMA1	BSC123N08NS3GATMA1	BSC119N03MSCG
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Input Capacitance (Ciss) (Max) @ Vds	1200 pF @ 15 V	1500 pF @ 15 V	1870 pF @ 40 V	1500 pF @ 15 V
FET Feature	-	-	-	-
Drain to Source Voltage (Vdss)	30 V	30 V	80 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)
Series	OptiMOS™	OptiMOS™	OptiMOS™	OptiMOS™3
Vgs (Max)	±20V	±20V	±20V	±20V
Rds On (Max) @ Id, Vgs	12mOhm @ 30A, 10V	12mOhm @ 30A, 10V	12.3mOhm @ 33A, 10V	11.9mOhm @ 30A, 10V
Base Product Number	BSC120	BSC120	BSC123	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Bulk
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Current - Continuous Drain (Id) @ 25°C	12A (Ta), 39A (Tc)	11A (Ta), 39A (Tc)	11A (Ta), 55A (Tc)	11A (Ta), 39A (Tc)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	PG-TDSON-8-5	PG-TDSON-8-5	PG-TDSON-8-1	PG-TDSON-8
Vgs(th) (Max) @ Id	2.2V @ 250µA	2V @ 250µA	3.5V @ 33µA	2V @ 250µA
Power Dissipation (Max)	2.5W (Ta), 28W (Tc)	2.5W (Ta), 28W (Tc)	2.5W (Ta), 66W (Tc)	2.5W (Ta), 28W (Tc)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	6V, 10V	4.5V, 10V
Gate Charge (Qg) (Max) @ Vgs	15 nC @ 10 V	20 nC @ 10 V	25 nC @ 10 V	20 nC @ 10 V
Package / Case	8-PowerTDFN	8-PowerTDFN	8-PowerTDFN	8-PowerTDFN

BSC120N03LSGATMA1 Datasheet PDF

Download BSC120N03LSGATMA1 pdf datasheets and Infineon Technologies documentation for BSC120N03LSGATMA1 - 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

PCN Other

Customers Also Interested in

Recommended Products

					
BSC123N08NS3G MOS Cypress Semiconductor (Infineon Technologies)	BSC119N03S MOS Cypress Semiconductor (Infineon Technologies)	BSC120N03MS Cypress Semiconductor (Infineon Technologies)	BSC120N03MSGATMA1 Infineon Technologies MOSFET N-CH 30V 11A/39A TDSO	BSC119N03NS3G INFINEONINEON	BSC123N08NSG Cypress Semiconductor (Infineon Technologies)
					
BSC119N03LSCG Cypress Semiconductor (Infineon Technologies)	BSC120N03LS Cypress Semiconductor (Infineon Technologies)	BSC123N08NS3GATMA1 Infineon Technologies MOSFET N-CH 80V 11A/55A TDSO	BSC123N10LS Cypress Semiconductor (Infineon Technologies)	BSC119N3SG Cypress Semiconductor (Infineon Technologies)	BSC119N03S Cypress Semiconductor (Infineon Technologies)
					
BSC123N08NS3 Cypress Semiconductor (Infineon Technologies)	BSC123N08NS3G Cypress Semiconductor (Infineon Technologies)	BSC119N03SG Cypress Semiconductor (Infineon Technologies)	BSC119N03MSCG Infineon Technologies N-CHANNEL POWER MOSFET	BSC120N03LSG Infineon Technologies POWER FIELD-EFFECT TRANSISTOR,	BSC120N03MSG 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 Alleco 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@alleco.com

Certifications & Memberships



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