



BSZ050N03LSG

Manufacturer Part Number	BSZ050N03LSG
Manufacturer	Infineon Technologies
Allelco Part Number	32D-BSZ050N03LSG
ECAD Model	Request Free CAD Models
Parts Description	BSZ050N03 - 12V-300V N-CHANNEL P
Package	8-PowerTDFN
Data sheet	BSZ050N03LSG.pdf



Get a Quote

BSZ050N03LSG - Infineon Technologies. New Original in Stock. Download Linear Technology BSZ050N03LSG datasheet/specifications on AllelcoElec.com.
Request a quote for BSZ050N03LSG, please send us email: info@allelco.com

Specifications

BSZ050N03LSG Tech Specifications

BSZ050N03LSG - 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	2800 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	35 nC @ 10 V
Supplier Device Package	PG-TSDSON-8	FET Type	N-Channel
Series	OptiMOS™ 3	FET Feature	-
Rds On (Max) @ Id, Vgs	5mOhm @ 20A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	2.1W (Ta), 50W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	8-PowerTDFN	Current - Continuous Drain (Id) @ 25°C	16A (Ta), 80A (Tc)
Package	Bulk		

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies BSZ050N03LSG

Product Attribute	NO PICTURE			
Part Number	BSZ050N03LSG	BSZ049N03LSCGATMA1	BSZ058N03LSGATMA1	BSZ0589NSATMA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	-	4.5V, 10V	4.5V, 10V
Vgs(th) (Max) @ Id	2.2V @ 250µA	-	2.2V @ 250µA	2V @ 250µA
Operating Temperature	-55°C ~ 150°C (TJ)	-	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
FET Feature	-	-	-	-
Technology	MOSFET (Metal Oxide)	-	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Gate Charge (Qg) (Max) @ Vgs	35 nC @ 10 V	-	30 nC @ 10 V	15 nC @ 10 V
Rds On (Max) @ Id, Vgs	5mOhm @ 20A, 10V	-	5.8mOhm @ 20A, 10V	4.4mOhm @ 8A, 10V
Current - Continuous Drain (Id) @ 25°C	16A (Ta), 80A (Tc)	-	15A (Ta), 40A (Tc)	17A (Ta)
Drain to Source Voltage (Vdss)	30 V	-	30 V	30 V
Vgs (Max)	±20V	-	±20V	±20V
Series	OptiMOS™ 3	*	OptiMOS™	OptiMOS™
Mounting Type	Surface Mount	-	Surface Mount	Surface Mount
FET Type	N-Channel	-	N-Channel	N-Channel
Power Dissipation (Max)	2.1W (Ta), 50W (Tc)	-	2.1W (Ta), 45W (Tc)	2.1W (Ta)
Package	Bulk	Bulk	Tape & Reel (TR)	Tape & Reel (TR)
Package / Case	8-PowerTDFN	-	8-PowerTDFN	8-PowerTDFN
Input Capacitance (Ciss) (Max) @ Vds	2800 pF @ 15 V	-	2400 pF @ 15 V	950 pF @ 15 V
Supplier Device Package	PG-TSDSON-8	-	PG-TSDSON-8	PG-TSDSON-8-FL

Customers Also Interested in

Recommended Products



BSZ049N03LSCGATMA1

Infineon Technologies
N-CHANNEL POWER MOSFET



BSZ058N03LSGATMA1

Infineon Technologies
MOSFET N-CH 30V 15A/40A
8TSDSON



BSZ0589NSATMA1

Infineon Technologies
MOSFET N-CH 30V 17A TSDSON



BSZ058N03MSG

Infineon Technologies
BSZ058N03 - 12V-300V N-CHANNEL
P



BSZ0500NSI

Cypress Semiconductor
(Infineon Technologies)



BSZ050N03MSG

Infineon Technologies
BSZ050N03 - 12V-300V N-CHANNEL
P



BSZ058N03LSGCypress Semiconductor
(Infineon Technologies)**BSZ0501NSI**Cypress Semiconductor
(Infineon Technologies)**BSZ0501NSIATMA1
0501NSI**Cypress Semiconductor
(Infineon Technologies)

NO PICTURE

**BSZ0500NSIATMA1
0500NSI**Cypress Semiconductor
(Infineon Technologies)**BSZ0589NS**Cypress Semiconductor
(Infineon Technologies)**BSZ058N03LS**Cypress Semiconductor
(Infineon Technologies)**BSZ050N03MSGATMA1**Infineon Technologies
MOSFET N-CH 30V 15A/40A
8TSDSON**BSZ0502NSI**Cypress Semiconductor
(Infineon Technologies)**BSZ0506NS**

INF1NEON

BSZ0506NS MOSCypress Semiconductor
(Infineon Technologies)**BSZ0503NSIATMA1**Infineon Technologies
MOSFET N-CH 30V 20A/40A TSDSON**BSZ0506NSATMA1**Infineon Technologies
MOSFET N-CH 30V 15A/40A TSDSON

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

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.

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

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
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Cost-Saving
Procurement



Fast Sourcing &
Delivery

Contact us if you have any questions.



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Email

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Certifications & Memberships



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