



BSZ065N03LSATMA1

Manufacturer Part Number	BSZ065N03LSATMA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-BSZ065N03LSATMA1
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 30V 12A/40A TSDSON
Package	8-PowerTDFN
Data sheet	BSZ065N03LSATMA1.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

BSZ065N03LSATMA1 - Infineon Technologies.New Original in Stock. Download Linear Technology BSZ065N03LSATMA1 datasheet/specifications on AllelcoElec.com.
Request a quote for BSZ065N03LSATMA1, please send us email: info@allelco.com

Specifications

BSZ065N03LSATMA1 Tech Specifications
BSZ065N03LSATMA1 - 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	670 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	10 nC @ 10 V
Supplier Device Package	PG-TSDSON-8-FL	FET Type	N-Channel
Series	OptiMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	6.5mOhm @ 20A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	2.1W (Ta), 26W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	8-PowerTDFN	Current - Continuous Drain (Id) @ 25°C	12A (Ta), 40A (Tc)
Package	Tape & Reel (TR)	Base Product Number	BSZ065

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies BSZ065N03LSATMA1

Product Attribute	NO PICTURE			
Part Number	BSZ065N03LSATMA1	BSZ060NE2LSATMA1	BSZ063N04LS6ATMA1	BSZ0602LSATMA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Rds On (Max) @ Id, Vgs	6.5mOhm @ 20A, 10V	6mOhm @ 20A, 10V	6.3mOhm @ 20A, 10V	7mOhm @ 20A, 10V
Gate Charge (Qg) (Max) @ Vgs	10 nC @ 10 V	9.1 nC @ 10 V	9.5 nC @ 10 V	18 nC @ 4.5 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
FET Feature	-	-	-	-
Current - Continuous Drain (Id) @ 25°C	12A (Ta), 40A (Tc)	12A (Ta), 40A (Tc)	15A (Ta), 40A (Tc)	13A (Ta), 40A (Tc)
Input Capacitance (Ciss) (Max) @ Vds	670 pF @ 15 V	670 pF @ 12 V	650 pF @ 20 V	2340 pF @ 40 V
Power Dissipation (Max)	2.1W (Ta), 26W (Tc)	2.1W (Ta), 26W (Tc)	2.5W (Ta), 38W (Tc)	69W (Tc)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	OptiMOS™	OptiMOS™	OptiMOS™ 6	OptiMOS™ 5
Package / Case	8-PowerTDFN	8-PowerTDFN	8-PowerTDFN	8-PowerTDFN
Vgs(th) (Max) @ Id	2V @ 250µA	2V @ 250µA	2.3V @ 250µA	2.3V @ 36µA
Supplier Device Package	PG-TSDSON-8-FL	PG-TSDSON-8-FL	PG-TSDSON-8-FL	PG-TDSON-8 FL
Vgs (Max)	±20V	±20V	±20V	±20V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Drain to Source Voltage (Vdss)	30 V	25 V	40 V	80 V
Base Product Number	BSZ065	BSZ060	BSZ063	BSZ0602
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)

BSZ065N03LSATMA1 Datasheet PDF

Download BSZ065N03LSATMA1 pdf datasheets and Infineon Technologies documentation for BSZ065N03LSATMA1 - Infineon Technologies.

Other Related Documents

Part Number Guide.pdf

PCN Packaging

Mult Dev Pkg Box Chg 3/Jan/2018.pdf














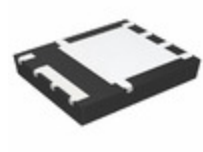




Mult Dev Reel Design Chg 2/Dec/2019.pdf

PCN Assembly/Origin

PCN Design/Specification

Customers Also Interested in

Recommended Products

					
BSZ0602LS Cypress Semiconductor (Infineon Technologies)	BSZ060NE2LSATMA1 Infineon Technologies MOSFET N-CH 25V 12A/40A TSDSON	BSZ065N06LS5 065N06L Cypress Semiconductor (Infineon Technologies)	BSZ060NE2LS Cypress Semiconductor (Infineon Technologies)	BSZ063N04LS6ATMA1 Infineon Technologies MOSFET N-CH 40V 15A/40A TSDSON	BSZ067N06LS3G Cypress Semiconductor (Infineon Technologies)
					
BSZ067N06LS3 INFINEO	BSZ065N03LSG Cypress Semiconductor (Infineon Technologies)	BSZ0602LS 0602LS Cypress Semiconductor (Infineon Technologies)	BSZ065N06LS5 Cypress Semiconductor (Infineon Technologies)	BSZ068N06NS Cypress Semiconductor (Infineon Technologies)	BSZ065N03LS Cypress Semiconductor (Infineon Technologies)
					
BSZ058N03MSG MOS Cypress Semiconductor (Infineon Technologies)	BSZ0602LSATMA1 Infineon Technologies MOSFET N-CH 80V 13A/40A TSDSON	BSZ063N04LS6 Cypress Semiconductor (Infineon Technologies)	BSZ065N06L Cypress Semiconductor (Infineon Technologies)	BSZ068N06NSATMA1 Infineon Technologies MOSFET N-CH 60V 40A TSDSON	BSZ067N06LS3GATMA1 Infineon Technologies MOSFET N-CH 60V 14A/20A 8TSDSON

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.



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-  Fast Sourcing & Delivery

Contact us if you have any questions.

-  Phone
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Certifications & Memberships



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