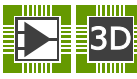





BSZ100N06NSATMA1

Manufacturer Part Number	BSZ100N06NSATMA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-BSZ100N06NSATMA1
ECAD Model	 PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 60V 40A TSDSON
Package	8-PowerTDFN
Data sheet	BSZ100N06NSATMA1.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

BSZ100N06NSATMA1 - Infineon Technologies. New Original in Stock. Download Linear Technology BSZ100N06NSATMA1 datasheet/specifications on AllelcoElec.com.

Request a quote for BSZ100N06NSATMA1, please send us email: info@allelco.com

Specifications





BSZ100N06NSATMA1 Tech Specifications

BSZ100N06NSATMA1 - 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	3.3V @ 14µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	1075 pF @ 30 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	15 nC @ 10 V
Supplier Device Package	PG-TSDSON-8-FL	FET Type	N-Channel
Series	OptiMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	10mOhm @ 20A, 10V	Drive Voltage (Max Rds On, Min Rds On)	6V, 10V
Power Dissipation (Max)	2.1W (Ta), 36W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	8-PowerTDFN	Current - Continuous Drain (Id) @ 25°C	40A (Tc)
Package	Tape & Reel (TR)	Base Product Number	BSZ100

Parts with Similar Specifications


The three parts on the right have similar specifications to Infineon Technologies BSZ100N06NSATMA1

Product Attribute	 NO PICTURE			
Part Number	BSZ100N06NSATMA1	BSZ105N04NSG	BSZ110N08NS5ATMA1	BSZ110N06NS3GATMA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Drain to Source Voltage (Vdss)	60 V	40 V	80 V	60 V
Input Capacitance (Ciss) (Max) @ Vds	1075 pF @ 30 V	1300 pF @ 20 V	1300 pF @ 40 V	2700 pF @ 30 V
Rds On (Max) @ Id, Vgs	10mOhm @ 20A, 10V	10.5mOhm @ 20A, 10V	11mOhm @ 20A, 10V	11mOhm @ 20A, 10V
Drive Voltage (Max Rds On, Min Rds On)	6V, 10V	10V	6V, 10V	10V
Vgs(th) (Max) @ Id	3.3V @ 14µA	4V @ 14µA	3.8V @ 22µA	4V @ 23µA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Vgs (Max)	±20V	±20V	±20V	±20V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Series	OptiMOS™	OptiMOS™3	OptiMOS™	OptiMOS™
Package	Tape & Reel (TR)	Bulk	Tape & Reel (TR)	Tape & Reel (TR)
Current - Continuous Drain (Id) @ 25°C	40A (Tc)	11A (Ta), 40A (Tc)	40A (Tc)	20A (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Base Product Number	BSZ100	-	BSZ110	BSZ110
Power Dissipation (Max)	2.1W (Ta), 36W (Tc)	2.1W (Ta), 35W (Tc)	50W (Tc)	2.1W (Ta), 50W (Tc)
FET Feature	-	-	-	-
Package / Case	8-PowerTDFN	8-PowerTDFN	8-PowerTDFN	8-PowerVDFN
Supplier Device Package	PG-TSDSON-8-FL	PG-TSDSON-8	PG-TSDSON-8-FL	PG-TSDSON-8
Gate Charge (Qg) (Max) @ Vgs	15 nC @ 10 V	17 nC @ 10 V	18.5 nC @ 10 V	33 nC @ 10 V


BSZ100N06NSATMA1 Datasheet PDF

Download BSZ100N06NSATMA1 pdf datasheets and Infineon Technologies documentation for BSZ100N06NSATMA1 - 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

					
BSZ105N04NSG Infineon Technologies OPTLMOS POWER-MOSFET	BSZ100N06LS3 G MOS Cypress Semiconductor (Infineon Technologies)	BSZ100N06NS Cypress Semiconductor (Infineon Technologies)	BSZ100N06LS3 Cypress Semiconductor (Infineon Technologies)	BSZ115N03CSC Cypress Semiconductor (Infineon Technologies)	BSZ110N08NS5 Cypress Semiconductor (Infineon Technologies)
					
BSZ110N06NS3G Cypress Semiconductor (Infineon Technologies)	BSZ115N03M Cypress Semiconductor (Infineon Technologies)	BSZ110N08NS5ATMA1 Infineon Technologies MOSFET N-CH 80V 40A TSDSON	BSZ100N06LS3GE8196 Cypress Semiconductor (Infineon Technologies)	BSZ100N03LSG Cypress Semiconductor (Infineon Technologies)	BSZ110N06NS3GATMA1 Infineon Technologies MOSFET N-CH 60V 20A 8TSDSON
					
BSZ100N06LS3G Cypress Semiconductor (Infineon Technologies)	BSZ110N08NS5 MOS Cypress Semiconductor (Infineon Technologies)	BSZ099N06LS5ATMA1 Infineon Technologies MOSFET N-CH 60V 46A TSDSON	BSZ100N06LSG Cypress Semiconductor (Infineon Technologies)	BSZ100N03MSG INF	BSZ100N06NS3G 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.



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Contact us if you have any questions.

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info@allelco.com

Certifications & Memberships



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