





# BSZ097N04LSGATMA1

Manufacturer Part Number	<b>BSZ097N04LSGATMA1</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-BSZ097N04LSGATMA1
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 40V 12A/40A 8TSDSON
Package	8-PowerTDFN
Data sheet	BSZ097N04LSGATMA1.pdf
RoHs Status	 ROHS3 Compliant



**Get a Quote**

BSZ097N04LSGATMA1 - Infineon Technologies. New Original in Stock. Download Linear Technology BSZ097N04LSGATMA1 datasheet/specifications on AllelcoElec.com. Request a quote for BSZ097N04LSGATMA1, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications


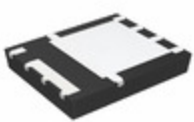

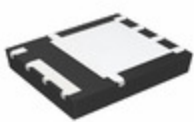
BSZ097N04LSGATMA1 Tech Specifications

BSZ097N04LSGATMA1 - 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 @ 14µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	1900 pF @ 20 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	24 nC @ 10 V
Supplier Device Package	PG-TSDSON-8	FET Type	N-Channel
Series	OptiMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	9.7mOhm @ 20A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	2.1W (Ta), 35W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	8-PowerTDFN	Current - Continuous Drain (Id) @ 25°C	12A (Ta), 40A (Tc)
Package	Tape & Reel (TR)	Base Product Number	BSZ097

## Parts with Similar Specifications


The three parts on the right have similar specifications to Infineon Technologies BSZ097N04LSGATMA1

Product Attribute	 NO PICTURE			
Part Number	BSZ097N04LSGATMA1	BSZ0911LSATMA1	BSZ099N06LS5ATMA1	BSZ0910LSATMA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Supplier Device Package	PG-TSDSON-8	PG-TDSON-8 FL	PG-TSDSON-8-FL	PG-TDSON-8 FL
Vgs(th) (Max) @ Id	2V @ 14µA	2V @ 250µA	2.3V @ 14µA	2V @ 250µA
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Rds On (Max) @ Id, Vgs	9.7mOhm @ 20A, 10V	7mOhm @ 20A, 10V	9.9mOhm @ 20A, 10V	4.5mOhm @ 30A, 10V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Gate Charge (Qg) (Max) @ Vgs	24 nC @ 10 V	10 nC @ 10 V	3.1 nC @ 4.5 V	17 nC @ 10 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Package / Case	8-PowerTDFN	8-PowerTDFN	8-PowerTDFN	8-PowerTDFN
Vgs (Max)	±20V	±20V	±20V	±20V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Base Product Number	BSZ097	BSZ0911	BSZ099	BSZ0910
FET Feature	-	-	Standard	-
Power Dissipation (Max)	2.1W (Ta), 35W (Tc)	-	36W (Tc)	2.1W (Ta), 37W (Tc)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Current - Continuous Drain (Id) @ 25°C	12A (Ta), 40A (Tc)	12A (Ta), 40A (Tc)	46A (Tc)	18A (Ta), 40A (Tc)
Input Capacitance (Ciss) (Max) @ Vds	1900 pF @ 20 V	670 pF @ 15 V	1300 pF @ 30 V	1100 pF @ 15 V
Drain to Source Voltage (Vdss)	40 V	30 V	60 V	30 V
Series	OptiMOS™	OptiMOS™ 5	OptiMOS™	OptiMOS™ 5


## BSZ097N04LSGATMA1 Datasheet PDF

Download BSZ097N04LSGATMA1 pdf datasheets and Infineon Technologies documentation for BSZ097N04LSGATMA1 - 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 Other

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PCN Assembly/Origin

Customers Also Interested in

Recommended Products

<b>BSZ100N06LS3GE8196</b> Cypress Semiconductor (Infineon Technologies)	<b>BSZ0910ND</b> Cypress Semiconductor (Infineon Technologies)	<b>BSZ0911LS</b> Cypress Semiconductor (Infineon Technologies)	<b>BSZ100N06LS3 G MOS</b> Cypress Semiconductor (Infineon Technologies)	<b>BSZ100N06LS3G</b> Cypress Semiconductor (Infineon Technologies)	<b>BSZ097N10NS5</b> Cypress Semiconductor (Infineon Technologies)
<b>BSZ096N10LS5</b> Cypress Semiconductor (Infineon Technologies)	<b>BSZ0911LSATMA1</b> Infineon Technologies MOSFET N-CH 30V 12A/40A TSDSON	<b>BSZ099N06LS5ATMA1</b> Infineon Technologies MOSFET N-CH 60V 46A TSDSON	<b>BSZ100N06LS3</b> Cypress Semiconductor (Infineon Technologies)	<b>BSZ100N03MSG</b> INF	<b>BSZ0910LSATMA1</b> Infineon Technologies MOSFET N-CH 30V 18A/40A TSDSON
<b>BSZ0909NS MOS</b> Cypress Semiconductor (Infineon Technologies)	<b>BSZ097N04LSG MOS</b> Cypress Semiconductor (Infineon Technologies)	<b>BSZ0945ND</b> Cypress Semiconductor (Infineon Technologies)	<b>BSZ100N03LSG</b> Cypress Semiconductor (Infineon Technologies)	<b>BSZ097N04LSG</b> Cypress Semiconductor (Infineon Technologies)	<b>BSZ096N10LS5ATMA1</b> Infineon Technologies MOSFET N-CH 100V 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

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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Certifications & Memberships



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