



BSC024NE2LSATMA1

Manufacturer Part Number	BSC024NE2LSATMA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-BSC024NE2LSATMA1
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 25V 25A/110A TDSON
Package	8-PowerTDFN
Data sheet	BSC024NE2LSATMA1.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

BSC024NE2LSATMA1 - Infineon Technologies.New Original in Stock. Download Linear Technology BSC024NE2LSATMA1 datasheet/specifications on AllelcoElec.com.

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Specifications

BSC024NE2LSATMA1 Tech Specifications

BSC024NE2LSATMA1 - 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	1700 pF @ 12 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	23 nC @ 10 V
Supplier Device Package	PG-TDSON-8-5	FET Type	N-Channel
Series	OptiMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	2.4mOhm @ 30A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	2.5W (Ta), 48W (Tc)	Drain to Source Voltage (Vdss)	25 V
Package / Case	8-PowerTDFN	Current - Continuous Drain (Id) @ 25°C	25A (Ta), 110A (Tc)
Package	Tape & Reel (TR)	Base Product Number	BSC024

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies BSC024NE2LSATMA1

Product Attribute				
Part Number	BSC024NE2LSATMA1	BSC026N02KSG	BSC022N03S	BSC022N04LSATMA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Package	Tape & Reel (TR)	Bulk	Tape & Reel (TR)	Tape & Reel (TR)
Vgs (Max)	±20V	±12V	±20V	±20V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Rds On (Max) @ Id, Vgs	2.4mOhm @ 30A, 10V	2.6mOhm @ 50A, 4.5V	2.2mOhm @ 50A, 10V	2.2mOhm @ 50A, 10V
Drain to Source Voltage (Vdss)	25 V	20 V	30 V	40 V
Supplier Device Package	PG-TDSON-8-5	PG-TDSON-8-1	PG-TDSON-8-1	PG-TDSON-8-6
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Power Dissipation (Max)	2.5W (Ta), 48W (Tc)	2.8W (Ta), 78W (Tc)	2.8W (Ta), 104W (Tc)	2.5W (Ta), 69W (Tc)
Gate Charge (Qg) (Max) @ Vgs	23 nC @ 10 V	52.7 nC @ 4.5 V	58 nC @ 5 V	37 nC @ 10 V
Input Capacitance (Ciss) (Max) @ Vds	1700 pF @ 12 V	7800 pF @ 10 V	7490 pF @ 15 V	2600 pF @ 20 V
Series	OptiMOS™	OptiMOS™2	OptiMOS™	OptiMOS™
FET Feature	-	-	-	-
Base Product Number	BSC024	-	-	BSC022
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Vgs(th) (Max) @ Id	2V @ 250µA	1.2V @ 200µA	2V @ 100µA	2V @ 250µA
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	2.5V, 4.5V	4.5V, 10V	4.5V, 10V
Package / Case	8-PowerTDFN	8-PowerTDFN	8-PowerTDFN	8-PowerTDFN
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Current - Continuous Drain (Id) @ 25°C	25A (Ta), 110A (Tc)	25A (Ta), 134A (Tc)	28A (Ta), 100A (Tc)	100A (Tc)

BSC024NE2LSATMA1 Datasheet PDF

Download BSC024NE2LSATMA1 pdf datasheets and Infineon Technologies documentation for BSC024NE2LSATMA1 - 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 Design/Specification

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

BSC026N02KSG Infineon Technologies BSC026N02 - 12V-300V N-CHANNEL P	BSC025N03MS Cypress Semiconductor (Infineon Technologies)	BSC024N025SG Cypress Semiconductor (Infineon Technologies)	BSC024NE2LS Cypress Semiconductor (Infineon Technologies)	BSC022N03S Infineon Technologies MOSFET N-CH 30V 28A/100A TDSO	BSC026N08NS5 Cypress Semiconductor (Infineon Technologies)
BSC026N04LS MOS Cypress Semiconductor (Infineon Technologies)	BSC025N08LS5 Cypress Semiconductor (Infineon Technologies)	BSC025N03LSG Cypress Semiconductor (Infineon Technologies)	BSC022N04LSATMA1 Infineon Technologies MOSFET N-CH 40V 100A TDSO	BSC024N025SG MOS Cypress Semiconductor (Infineon Technologies)	BSC022N04LS Cypress Semiconductor (Infineon Technologies)
BSC022N04LS MOS Cypress Semiconductor (Infineon Technologies)	BSC026N04LS Cypress Semiconductor (Infineon Technologies)	BSC025N03MSG Infineon Technologies BSC025N03 - 12V-300V N-CHANNEL P	BSC025N03LSGATMA1 Infineon Technologies MOSFET N-CH 30V 25A/100A TDSO	BSC021N08NS5ATMA1 Infineon Technologies MOSFET TRENCH 80V TSON-8	BSC022N03SG Infineon Technologies MOSFET N-CH 30V 28A/100A TDSO

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.



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@allelco.com

Certifications & Memberships



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