



Image may be representation.  
See specifications for product details.



## SPB17N80C3ATMA1

Manufacturer Part Number	<b>SPB17N80C3ATMA1</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-SPB17N80C3ATMA1
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 800V 17A TO263-3
Package	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB
Data sheet	<b>SPP,SPB,SPA17N80C3.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

SPB17N80C3ATMA1 - Infineon Technologies.New Original in Stock. Download Linear Technology SPB17N80C3ATMA1 datasheet/specifications on AllelcoElec.com.  
Request a quote for SPB17N80C3ATMA1, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

SPB17N80C3ATMA1 Tech Specifications  
SPB17N80C3ATMA1 - 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	3.9V @ 1mA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	2300 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	177 nC @ 10 V
Supplier Device Package	PG-TO263-3-2	FET Type	N-Channel
Series	CoolMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	290mOhm @ 11A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	227W (Tc)	Drain to Source Voltage (Vdss)	800 V
Package / Case	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	17A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SPB17N80

### Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies SPB17N80C3ATMA1

Product Attribute				
Part Number	SPB17N80C3ATMA1	SPB16N50C3ATMA1	SPB18P06P	SPB18P06PG
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Gate Charge (Qg) (Max) @ Vgs	177 nC @ 10 V	66 nC @ 10 V	28 nC @ 10 V	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	-
Package / Case	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	-
Input Capacitance (Ciss) (Max) @ Vds	2300 pF @ 100 V	1600 pF @ 25 V	860 pF @ 25 V	-
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	-
Vgs (Max)	±20V	±20V	±20V	-
FET Feature	-	-	-	-
Series	CoolMOS™	CoolMOS™	SIPMOS®	-
Drain to Source Voltage (Vdss)	800 V	560 V	60 V	-
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	-
Current - Continuous Drain (Id) @ 25°C	17A (Tc)	16A (Tc)	18.7A (Ta)	-
Rds On (Max) @ Id, Vgs	290mOhm @ 11A, 10V	280mOhm @ 10A, 10V	130mOhm @ 13.2A, 10V	-
Base Product Number	SPB17N80	SPB16N	SPB18P	-
Supplier Device Package	PG-TO263-3-2	PG-TO263-3-2	PG-TO263-3	-
Vgs(th) (Max) @ Id	3.9V @ 1mA	3.9V @ 675µA	4V @ 1mA	-
FET Type	N-Channel	N-Channel	P-Channel	-
Power Dissipation (Max)	227W (Tc)	160W (Tc)	81.1W (Ta)	-

### SPB17N80C3ATMA1 Datasheet PDF

Download SPB17N80C3ATMA1 pdf datasheets and Infineon Technologies documentation for SPB17N80C3ATMA1 - Infineon Technologies.

#### Datasheets

[SPP,SPB,SPA17N80C3.pdf](#)

#### Other Related Documents

[Part Number Guide.pdf](#)

#### PCN Packaging

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

## PCN Part Status Change

Mult Dev Wafer/MPN Chgs 17/May/2018.pdf

## Customers Also Interested in

### Recommended Products



**SPB17N80C3**

Cypress Semiconductor  
(Infineon Technologies)



**SPB17N80C3ATMA1  
17N80C3**

Cypress Semiconductor  
(Infineon Technologies)



**SPB160N04S2-03 MOS**

Cypress Semiconductor  
(Infineon Technologies)



**SPB17N80C3 MOS**

Cypress Semiconductor  
(Infineon Technologies)



**SPB18P06P MOS**

Cypress Semiconductor  
(Infineon Technologies)



**SPB160N04S2L-03**

Cypress Semiconductor  
(Infineon Technologies)



**SPB16N50C3 MOS**

Cypress Semiconductor  
(Infineon Technologies)



**SPB2026Z**

RFMD



**SPB17N80C**

Cypress Semiconductor  
(Infineon Technologies)



**SPB16N50C3ATMA1**

Infineon Technologies  
MOSFET N-CH 560V 16A TO263-3



**SPB18P06P**

Infineon Technologies  
MOSFET P-CH 60V 18.7A D2PAK



**SPB2026ZSR**

RFMD



**SPB20N06C2**

Cypress Semiconductor  
(Infineon Technologies)



**SPB16N04S2-03**

Cypress Semiconductor  
(Infineon Technologies)



**SPB17N80C3 17N80C3**

Cypress Semiconductor  
(Infineon Technologies)



**SPB18P06PG**

Infineon Technologies  
SPB18P06 - 20V-250V P-CHANNEL  
PO



**SPB2026Z MOS**

RFMD



**SPB16N50C3**

Infineon Technologies  
N-CHANNEL POWER MOSFET

## 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



View More