



Image may be representation.  
See specifications for product details.



## IPB90R340C3ATMA2

Manufacturer Part Number	<b>IPB90R340C3ATMA2</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-IPB90R340C3ATMA2
ECAD Model	PCB Footprint and Symbol
Parts Description	<b>MOSFET N-CH 900V 15A TO263-3</b>
Package	<b>TO-263-3, D<sup>2</sup>Pak (2 Leads + Tab), TO-263AB</b>
Data sheet	IPB90R340C3ATMA2.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

IPB90R340C3ATMA2 - Infineon Technologies.New Original in Stock. Download Linear Technology IPB90R340C3ATMA2 datasheet/specifications on AllelcoElec.com. Request a quote for IPB90R340C3ATMA2, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

IPB90R340C3ATMA2 Tech Specifications  
IPB90R340C3ATMA2 - 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	3.5V @ 1mA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	2400 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	94 nC @ 10 V
Supplier Device Package	PG-TO263-3-2	FET Type	N-Channel
Series	CoolMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	340mOhm @ 9.2A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	208W (Tc)	Drain to Source Voltage (Vdss)	900 V
Package / Case	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	15A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IPB90R340

### Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPB90R340C3ATMA2

Product Attribute				
Part Number	IPB90R340C3ATMA2	IPB90N04S402ATMA1	IPB80R290C3AATMA2	IPBE65R050CFD7AATMA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Base Product Number	IPB90R340	IPB90N04	IPB80R	IPBE65
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Input Capacitance (Ciss) (Max) @ Vds	2400 pF @ 100 V	9430 pF @ 25 V	2300 pF @ 100 V	4975 pF @ 400 V
Rds On (Max) @ Id, Vgs	340mOhm @ 9.2A, 10V	2.1mOhm @ 90A, 10V	290mOhm @ 11A, 10V	50mOhm @ 24.8A, 10V
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	TO-263-7, D <sup>2</sup> Pak (6 Leads + Tab), TO-263CB
Vgs (Max)	±20V	±20V	±20V	±20V
Drain to Source Voltage (Vdss)	900 V	40 V	800 V	650 V
Current - Continuous Drain (Id) @ 25°C	15A (Tc)	90A (Tc)	17A (Tc)	45A (Tc)
Gate Charge (Qg) (Max) @ Vgs	94 nC @ 10 V	118 nC @ 10 V	117 nC @ 10 V	102 nC @ 10 V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	PG-TO263-3-2	PG-TO263-3	PG-TO263-3-2	PG-TO263-7-3-10
Power Dissipation (Max)	208W (Tc)	150W (Tc)	227W (Tc)	227W (Tc)
Vgs(th) (Max) @ Id	3.5V @ 1mA	4V @ 95µA	3.9V @ 1mA	4.5V @ 1.24mA
FET Feature	-	-	-	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Series	CoolMOS™	OptiMOS™	Automotive, AEC-Q101, CoolMOS™	Automotive, AEC-Q101, CoolMOS™ CFD7A

### Customers Also Interested in

#### Recommended Products



**IPB90N04S4-02 4N0402**

Cypress Semiconductor  
(Infineon Technologies)

**IPB90N06S4L-04 MOS**

Cypress Semiconductor  
(Infineon Technologies)

**IPB90N04S402ATMA1**

Infineon Technologies  
MOSFET N-CH 40V 90A D2PAK

**IPBT-103-H1-T-D-GP**

Samtec Inc.  
CONN HEADER VERT 6POS 4.2MM

**IPBT-102-H1-T-D-GP**

Samtec Inc.  
CONN HEADER VERT 4POS 4.20MM

**IPB80R290C3AATMA2**

Infineon Technologies  
MOSFET N-CH 800V 17A TO263-3

**IPB90P04P4-05 4P0405**Cypress Semiconductor  
(Infineon Technologies)**IPBE65R050CFD7AATMA**Infineon Technologies  
MOSFET N-CH 650V 45A TO263-7**IPBT-104-H1-T-D-RA**

Samtec, Inc.

**IPB80R290C3A MOS**Cypress Semiconductor  
(Infineon Technologies)**IPB80R290C3A**Infineon Technologies  
N-CHANNEL POWER MOSFET**IPBD-02-S-K**Samtec Inc.  
CONN RCPT HSG 2POS 4.20MM**IPB90R340C3**Cypress Semiconductor  
(Infineon Technologies)  
IGBT Module**IPB90N06S4L-04**Cypress Semiconductor  
(Infineon Technologies)**IPB80R290C3AATMA1**Infineon Technologies  
MOSFET P-CH TO263-3**IPB90N06S4-04**Cypress Semiconductor  
(Infineon Technologies)**IPB90N04S4-02**Cypress Semiconductor  
(Infineon Technologies)**IPB90R340C3ATMA1**Infineon Technologies  
MOSFET N-CH 900V 15A D2PAK

## 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  
ManagementCost-Saving  
ProcurementFast Sourcing &  
Delivery

Contact us if you have any questions.



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## Certifications & Memberships

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