

Image may be representation.  
See specifications for product details.



## IPB90R340C3ATMA1

Manufacturer Part Number	<b>IPB90R340C3ATMA1</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-IPB90R340C3ATMA1
ECAD Model	Request Free CAD Models
Parts Description	<b>MOSFET N-CH 900V 15A D2PAK</b>
Package	<b>TO-263-3, D<sup>2</sup>Pak (2 Leads + Tab), TO-263AB</b>
Data sheet	IPB90R340C3ATMA1.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

IPB90R340C3ATMA1 - Infineon Technologies.New Original in Stock. Download Linear Technology IPB90R340C3ATMA1 datasheet/specifications on AllelcoElec.com. Request a quote for IPB90R340C3ATMA1, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

IPB90R340C3ATMA1 Tech Specifications  
IPB90R340C3ATMA1 - 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	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	IPB90R

### Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPB90R340C3ATMA1

Product Attribute				
Part Number	IPB90R340C3ATMA1	<a href="#">IPBE65R050CFD7AATMA1</a>	<a href="#">IPB80R290C3AATMA1</a>	<a href="#">IPB80R290C3AATMA2</a>
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	-	10V
Package / Case	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	-	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB
FET Feature	-	-	-	-
Base Product Number	IPB90R	IPBE65	IPB80R	IPB80R
Supplier Device Package	PG-TO263-3	PG-TO263-7-3-10	-	PG-TO263-3-2
Mounting Type	Surface Mount	Surface Mount	-	Surface Mount
Series	CoolMOS™	Automotive, AEC-Q101, CoolMOS™ CFD7A	*	Automotive, AEC-Q101, CoolMOS™
Operating Temperature	-55°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-	-40°C ~ 150°C (TJ)
Vgs (Max)	±20V	±20V	-	±20V
Gate Charge (Qg) (Max) @ Vgs	94 nC @ 10 V	102 nC @ 10 V	-	117 nC @ 10 V
Input Capacitance (Ciss) (Max) @ Vds	2400 pF @ 100 V	4975 pF @ 400 V	-	2300 pF @ 100 V
Current - Continuous Drain (Id) @ 25°C	15A (Tc)	45A (Tc)	-	17A (Tc)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Vgs(th) (Max) @ Id	3.5V @ 1mA	4.5V @ 1.24mA	-	3.9V @ 1mA
Power Dissipation (Max)	208W (Tc)	227W (Tc)	-	227W (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	-	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	900 V	650 V	-	800 V
FET Type	N-Channel	N-Channel	-	N-Channel
Rds On (Max) @ Id, Vgs	340mOhm @ 9.2A, 10V	50mOhm @ 24.8A, 10V	-	290mOhm @ 11A, 10V

### IPB90R340C3ATMA1 Datasheet PDF

Download IPB90R340C3ATMA1 pdf datasheets and Infineon Technologies documentation for IPB90R340C3ATMA1 - Infineon Technologies.

#### Other Related Documents

[Part Number Guide.pdf](#)

#### PCN Packaging



















[Mult Dev Pkg Box Chg 3/Jan/2018.pdf](#)

#### PCN Obsolescence/ EOL

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

 <b>IPB80R290C3A MOS</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPBE65R050CFD7AATMA</b> Infineon Technologies MOSFET N-CH 650V 45A TO263-7	 <b>IPBT-102-H1-T-D-GP</b> Samtec Inc. CONN HEADER VERT 4POS 4.20MM	 <b>IPB80R290C3AATMA1</b> Infineon Technologies MOSFET P-CH TO263-3	 <b>IPB80R290C3AATMA2</b> Infineon Technologies MOSFET N-CH 800V 17A TO263-3	 <b>IPB90R340C3ATMA2</b> Infineon Technologies MOSFET N-CH 900V 15A TO263-3
 <b>IPB90N06S4L-04</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPBT-104-H1-T-D-RA</b> Samtec, Inc.	 <b>IPB90R340C3</b> Cypress Semiconductor (Infineon Technologies) IGBT Module	 <b>IPB90N06S4L-04 MOS</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB90N04S4-02 4N0402</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB80R290C3A</b> Infineon Technologies N-CHANNEL POWER MOSFET
 <b>IPB90N04S4-02</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB90N06S4-04</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPBD-02-S-K</b> Samtec Inc. CONN RCPT HSG 2POS 4.20MM	 <b>IPBT-103-H1-T-D-GP</b> Samtec Inc. CONN HEADER VERT 6POS 4.2MM	 <b>IPB90P04P4-05 4P0405</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB90N04S402ATMA1</b> Infineon Technologies MOSFET N-CH 40V 90A 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 Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
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Contact us if you have any questions.

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Certifications & Memberships



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Contact us

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