



Image may be representation.  
See specifications for product details.



## BFR181WH6327XTSA1

Manufacturer Part Number	<b>BFR181WH6327XTSA1</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-BFR181WH6327XTSA1
ECAD Model	Request Free CAD Models
Parts Description	RF TRANS NPN 12V 8GHZ SOT323-3
Package	SC-70, SOT-323
Data sheet	BFR181WH6327XTSA1.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

BFR181WH6327XTSA1 - Infineon Technologies.New Original in Stock. Download Linear Technology BFR181WH6327XTSA1 datasheet/specifications on AllelcoElec.com. Request a quote for BFR181WH6327XTSA1, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

BFR181WH6327XTSA1 Tech Specifications  
BFR181WH6327XTSA1 - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Operating Temperature	150°C (TJ)
Voltage - Collector Emitter Breakdown (Max)	12V	Noise Figure (dB Typ @ f)	0.9dB ~ 1.2dB @ 900MHz ~ 1.8GHz
Transistor Type	NPN	Mounting Type	Surface Mount
Supplier Device Package	PG-SOT323	Gain	19dB
Series	-	Frequency - Transition	8GHz
Power - Max	175mW	DC Current Gain (hFE) (Min) @ Ic, Vce	70 @ 5mA, 8V
Package / Case	SC-70, SOT-323	Current - Collector (Ic) (Max)	20mA
Package	Tape & Reel (TR)	Base Product Number	BFR181

### Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies BFR181WH6327XTSA1

Product Attribute				
Part Number	BFR181WH6327XTSA1	BFR181E6327	BFR182E6327	BFR181WE6327
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Frequency - Transition	8GHz	8GHz	8GHz	8GHz
Package	Tape & Reel (TR)	Bulk	Bulk	Bulk
Transistor Type	NPN	NPN	NPN	NPN
Gain	19dB	18.5dB	12dB ~ 18dB	19dB
Package / Case	SC-70, SOT-323	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3	SC-70, SOT-323
Base Product Number	BFR181	-	-	-
Operating Temperature	150°C (TJ)	150°C (TJ)	150°C (TJ)	150°C (TJ)
Supplier Device Package	PG-SOT323	PG-SOT23	PG-SOT23	SOT-323
Series	-	-	-	-
Power - Max	175mW	175mW	250mW	175mW
Voltage - Collector Emitter Breakdown (Max)	12V	12V	12V	12V
DC Current Gain (hFE) (Min) @ Ic, Vce	70 @ 5mA, 8V	70 @ 5mA, 8V	70 @ 10mA, 8V	70 @ 5mA, 8V
Current - Collector (Ic) (Max)	20mA	20mA	35mA	20mA
Noise Figure (dB Typ @ f)	0.9dB ~ 1.2dB @ 900MHz ~ 1.8GHz	0.9dB ~ 1.2dB @ 900MHz ~ 1.8GHz	0.9dB ~ 1.3dB @ 900MHz ~ 1.8GHz	0.9dB ~ 1.2dB @ 900MHz ~ 1.8GHz

### BFR181WH6327XTSA1 Datasheet PDF

Download BFR181WH6327XTSA1 pdf datasheets and Infineon Technologies documentation for BFR181WH6327XTSA1 - Infineon Technologies.

#### Other Related Documents

Part Number Guide.pdf

#### PCN Assembly/Origin

Mult Dev Site Chgs 2/Feb/2023.pdf

#### PCN Packaging

Reel Cover Tape Chg 16/Feb/2016.pdf

Recyclable Glass Carrier 14/Oct/2014.pdf

### Customers Also Interested in

#### Recommended Products



**BFR182TE6327**

Cypress Semiconductor  
(Infineon Technologies)

**BFR181W E-6327**

Siemens

**BFR181WH6327**

Cypress Semiconductor  
(Infineon Technologies)

**BFR182T-GS08**

Electro-Films (EFI) / Vishay

**BFR181E6327**

Infineon Technologies  
LOW-NOISE TRANSISTOR

**BFR182TW-GS08**

Electro-Films (EFI) / Vishay



**BFR181W E6327**

Cypress Semiconductor  
(Infineon Technologies)



**BFR181 E6327**

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**BFR182 E6663**

Cypress Semiconductor  
(Infineon Technologies)



**BFR182**

Cypress Semiconductor  
(Infineon Technologies)



**BFR182 E6327**

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**BFR181W H6327**

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**BFR182W**  
INF



**BFR181T**

Cypress Semiconductor  
(Infineon Technologies)



**BFR181W**

Cypress Semiconductor  
(Infineon Technologies)



**BFR181T-GS08**

Electro-Films (EFI) / Vishay



**BFR182E6327**

Infineon Technologies  
BFR182 - LOW-NOISE SI  
TRANSISTOR



**BFR181WE6327**

Infineon Technologies  
LOW-NOISE TRANSISTOR

## 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



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info@allelco.com

## Certifications & Memberships



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