



Image may be representation.  
See specifications for product details.

## MMBF170LT1G

Manufacturer Part Number	<b>MMBF170LT1G</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-MMBF170LT1G
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 60V 500MA SOT23-3
Package	TO-236-3, SC-59, SOT-23-3
Data sheet	<b>MMBF170LT1.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**



MMBF170LT1G - onsemi.New Original in Stock. Download Linear Technology MMBF170LT1G datasheet/specifications on AllelcoElec.com.  
Request a quote for MMBF170LT1G, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MMBF170LT1G Tech Specifications

MMBF170LT1G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	3V @ 1mA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	60 pF @ 10 V
Technology	MOSFET (Metal Oxide)	FET Type	N-Channel
Supplier Device Package	SOT-23-3 (TO-236)	FET Feature	-
Series	-	Drive Voltage (Max Rds On, Min Rds On)	10V
Rds On (Max) @ Id, Vgs	50hm @ 200mA, 10V	Drain to Source Voltage (Vdss)	60 V
Power Dissipation (Max)	225mW (Ta)	Current - Continuous Drain (Id) @ 25°C	500mA (Ta)
Package / Case	TO-236-3, SC-59, SOT-23-3	Base Product Number	MMBF170
Package	Tape & Reel (TR)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi MMBF170LT1G

Product Attribute				
Part Number	MMBF170LT1G	<b>MMBF170</b>	<b>MMBF170LT3G</b>	<b>MMBF170LT1</b>
Manufacturer	onsemi	onsemi	onsemi	onsemi
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	-	-	-	-
Vgs (Max)	±20V	±20V	±20V	±20V
Base Product Number	MMBF170	MMBF17	MMBF17	MMBF17
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	500mA (Ta)	500mA (Ta)	500mA (Ta)	500mA (Ta)
Drain to Source Voltage (Vdss)	60 V	60 V	60 V	60 V
Rds On (Max) @ Id, Vgs	50hm @ 200mA, 10V	50hm @ 200mA, 10V	50hm @ 200mA, 10V	50hm @ 200mA, 10V
Package / Case	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3
Power Dissipation (Max)	225mW (Ta)	300mW (Ta)	225mW (Ta)	225mW (Ta)
FET Feature	-	-	-	-
Supplier Device Package	SOT-23-3 (TO-236)	SOT-23-3	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)
Input Capacitance (Ciss) (Max) @ Vds	60 pF @ 10 V	40 pF @ 10 V	60 pF @ 10 V	60 pF @ 10 V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Vgs(th) (Max) @ Id	3V @ 1mA	3V @ 1mA	3V @ 1mA	3V @ 1mA

### MMBF170LT1G Datasheet PDF

Download MMBF170LT1G pdf datasheets and onsemi documentation for MMBF170LT1G - onsemi.

#### Datasheets

[MMBF170LT1.pdf](#)

#### Environmental Information














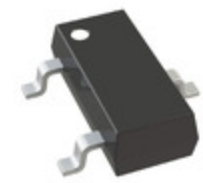




[onsemi RoHS.pdf](#)

#### PCN Design/Specification

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

 <b>MMBF170</b> onsemi MOSFET N-CH 60V 500MA SOT23	 <b>MMBF170-NL</b> Fairchild (onsemi) MOSFET N-CH 60V 500MA SOT23-3	 <b>MMBF170LT3G</b> onsemi MOSFET N-CH 60V 500MA SOT23-3	 <b>MMBF170LT1</b> onsemi MOSFET N-CH 60V 500MA SOT23-3	 <b>MMBF170-7-G</b> Diodes Incorporated MOSFET N-CH 60V 500MA SOT23-3	 <b>MMBF170Q-7-F</b> Diodes Incorporated MOSFET N-CH 60V 500MA SOT23-3
 <b>MMBF170L</b> AMI Semiconductor/onsemi MOSFET N-CH 20V 300MA SOT-323	 <b>MMBF2201N</b> MSV MOSFET N-CH 20V 300MA SOT-323	 <b>MMBF2202PT1</b> onsemi MOSFET P-CH 20V 0.3A SOT-323	 <b>MMBF2202PT1G</b> onsemi MOSFET P-CH 20V 300MA SC70-3	 <b>MMBF170-7</b> Diodes Incorporated MOSFET N-CH 60V 500MA SOT23-3	 <b>MMBF2202PT1 MOS</b> AMI Semiconductor/onsemi MOSFET N-CH 20V 300MA SOT-323
 <b>MMBF2201NT1</b> onsemi MOSFET N-CH 20V 300MA SOT-323	 <b>MMBF170-7-F</b> Diodes Incorporated MOSFET N-CH 60V 500MA SOT23-3	 <b>MMBF170-7-F MOS</b> Diodes Incorporated MOSFET N-CH 60V 500MA SOT23-3	 <b>MMBF170Q-7</b> Diodes Incorporated MOSFET N-CH 60V 500MA SOT23-3	 <b>MMBF2202P</b> MSV MOSFET P-CH 20V 0.3A SOT-323	 <b>MMBF2201NT1G</b> onsemi MOSFET N-CH 20V 300MA SC70-3

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  
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Certifications & Memberships



View More

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