

Image may be representation.
See specifications for product details.



HMC509LP5ETR

Manufacturer Part Number	HMC509LP5ETR
Manufacturer	Analog Devices, Inc.
Allelco Part Number	32D-HMC509LP5ETR
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	VCO 4.15GHZ/8.3GHZ 2-13V 5X5MM
Package	32-VFQFN Exposed Pad
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

HMC509LP5ETR - Analog Devices Inc..New Original in Stock. Download Linear Technology HMC509LP5ETR datasheet/specifications on AllelcoElec.com.
Request a quote for HMC509LP5ETR, please send us email: info@allelco.com

Specifications

HMC509LP5ETR Tech Specifications
HMC509LP5ETR - Analog Devices Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Analog Devices, Inc.	Package	Tape & Reel (TR)
Voltage - Supply	5V	Operating Temperature	-40°C ~ 85°C
Tuning Voltage (VDC)	2 V ~ 13 V	Icc Max	270mA
Size / Dimension	0.197" L x 0.197" W (5.00mm x 5.00mm)	Height	0.039" (1.00mm)
Series	-	Frequency Range	3.9 ~ 4.4GHz, 7.8 ~ 8.8GHz
Pushing (MHz/V)	10	Frequency - Center	4.15GHz, 8.3GHz
Power (dBm)	7.5±2.5, 12.5±2.5	Base Product Number	HMC509
Phase Noise Typ (dBc/Hz)	-115	2nd Harmonic, Typ (dBc)	10
Package / Case	32-VFQFN Exposed Pad		

Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. HMC509LP5ETR

Product Attribute				
Part Number	HMC509LP5ETR	HMC513LP5ETR	HMC513LP5E	HMC511LP5E
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Icc Max	270mA	290mA	290mA	300mA
Voltage - Supply	5V	3V	3V	5V
Power (dBm)	7.5±2.5, 12.5±2.5	-7±3, 8±3, 7.5±2.5	-7±3, 8±3, 7.5±2.5	8±3, 12.5±3.5
Phase Noise Typ (dBc/Hz)	-115	-110	-110	-115
Package / Case	32-VFQFN Exposed Pad	32-VFQFN Exposed Pad	32-VFQFN Exposed Pad	32-VFQFN Exposed Pad
2nd Harmonic, Typ (dBc)	10	15	15	15
Pushing (MHz/V)	10	25	25	15
Size / Dimension	0.197" L x 0.197" W (5.00mm x 5.00mm)	0.197" L x 0.197" W (5.00mm x 5.00mm)	0.197" L x 0.197" W (5.00mm x 5.00mm)	0.197" L x 0.197" W (5.00mm x 5.00mm)
Series	-	-	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Strip	Strip
Frequency Range	3.9 ~ 4.4GHz, 7.8 ~ 8.8GHz	5.215 ~ 5.73GHz, 10.43 ~ 11.46GHz	5.215 ~ 5.73GHz, 10.43 ~ 11.46GHz	4.525 ~ 5.075GHz, 9.05 ~ 10.15GHz
Height	0.039" (1.00mm)	0.039" (1.00mm)	0.039" (1.00mm)	0.039" (1.00mm)
Frequency - Center	4.15GHz, 8.3GHz	5.4725GHz, 10.945GHz	5.4725GHz, 10.945GHz	4.8GHz, 9.6GHz
Base Product Number	HMC509	HMC513	HMC513	HMC511
Tuning Voltage (VDC)	2 V ~ 13 V	2 V ~ 13 V	2 V ~ 13 V	2 V ~ 13 V

HMC509LP5ETR Datasheet PDF

Download HMC509LP5ETR pdf datasheets and Analog Devices Inc. documentation for HMC509LP5ETR - Analog Devices Inc..

Datasheets

[Cylindrical Battery Holders.pdf](#)

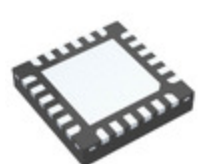
Customers Also Interested in

Recommended Products



HMC513LP5ETR

Analog Devices Inc.
VCO 5.4725/10.945GHZ 2-13V 5X5MM



HMC506LP4ETR

Analog Devices Inc.
IC AMP VSAT 7.8GHZ-8.7GHZ 24QFN



HMC513LP5E

Analog Devices Inc.
VCO 5.4725/10.945GHZ 2-13V 5X5MM



HMC511LP5E

Analog Devices Inc.
VCO 4.8GHZ/9.6GHZ 2-13V 5X5MM



HMC508LP5E

Analog Devices Inc.
VCO 3.875GHZ/7.75GHZ 2-13V 5X5MM



HMC507LP5ETR

Analog Devices Inc.
IC AMP VSAT 6.65-7.65GHZ 32QFN



HMC514LP5E

Analog Devices Inc.
VCO 5.7975/11.595GHZ 2-13V 5X5MM



HMC505LP4ETR

Analog Devices Inc.
IC AMP VSAT 6.8GHZ-7.4GHZ 24QFN



HMC509LP5E

Analog Devices Inc.
VCO 4.15GHZ/8.3GHZ 2-13V 5X5MM



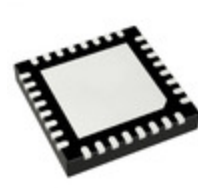
HMC512LP5E

Analog Devices Inc.
VCO 5.1GHZ/10.2GHZ 2-13V 5X5MM



HMC512LP5ETR

Analog Devices Inc.
VCO 5.1GHZ/10.2GHZ 2-13V 5X5MM



HMC510LP5E

Analog Devices Inc.
VCO 4.5GHZ/9GHZ 2-13V 5X5MM



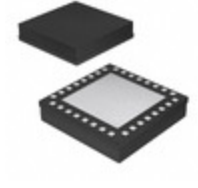
HMC510LP5ETR

Analog Devices Inc.
VCO 4.5GHZ/9GHZ 2-13V 5X5MM



HMC507LP5E

Analog Devices Inc.
IC AMP VSAT 6.65-7.65GHZ 32QFN



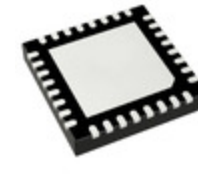
HMC508LP5ETR

Hittite
VOLTAGE CONTROLLED
OSCILLATOR, 7



HMC511LP5ETR

Analog Devices Inc.
VCO 4.8GHZ/9.6GHZ 2-13V 5X5MM



HMC511LP5

Analog Devices Inc.
VCO 4.8GHZ/9.6GHZ 2-13V 5X5MM



HMC506LP4E

Analog Devices Inc.
IC AMP VSAT 7.8GHZ-8.7GHZ 24QFN

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.



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Certifications & Memberships



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