

**HMC509LP5ETR Information**


For Reference Only

**Part Number** [HMC509LP5ETR](#)  
**Manufacturer** Analog Devices Inc.  
**Category** Crystals, Oscillators, Resonators  
[VCOs \(Voltage Controlled Oscillators\)](#)  
**Description** VCO 4.15GHZ, 8.3GHZ  
**Package** 32-VFQFN Exposed Pad, CSP  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)


[Request a Quote](#)
**Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


**HMC509LP5ETR Specifications**

Manufacturer Part Number	<a href="#">HMC509LP5ETR</a>
Manufacturer	Analog Devices Inc.
Category	Crystals, Oscillators, Resonators <a href="#">VCOs (Voltage Controlled Oscillators)</a>
Package	32-VFQFN Exposed Pad, CSP
Series	-
Frequency Range	3.9 ~ 4.4GHz, 7.8 ~ 8.8GHz
Frequency - Center	4.15GHz, 8.3GHz
Voltage - Supply	5V
Tuning Voltage (VDC)	2V ~ 13V
2nd Harmonic, Typ (dBc)	10
Icc Max	270mA
Pushing (MHz/V)	10
Power (dBm)	7.5±2.5, 12.5±2.5
Phase Noise Typ (dBc/Hz)	-115
Operating Temperature	-40°C ~ 85°C
Package / Case	32-VFQFN Exposed Pad, CSP
Size / Dimension	0.197" L x 0.197" W (5.00mm x 5.00mm)
Height	0.039" (1.00mm)

[Report errors?](#)

## HMC509LP5ETR Guarantees



### Quality Guarantees

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



### Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## HMC509LP5ETR Payment Methods



## HMC509LP5ETR Shipping Methods



If you have any question about HMC509LP5ETR, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)