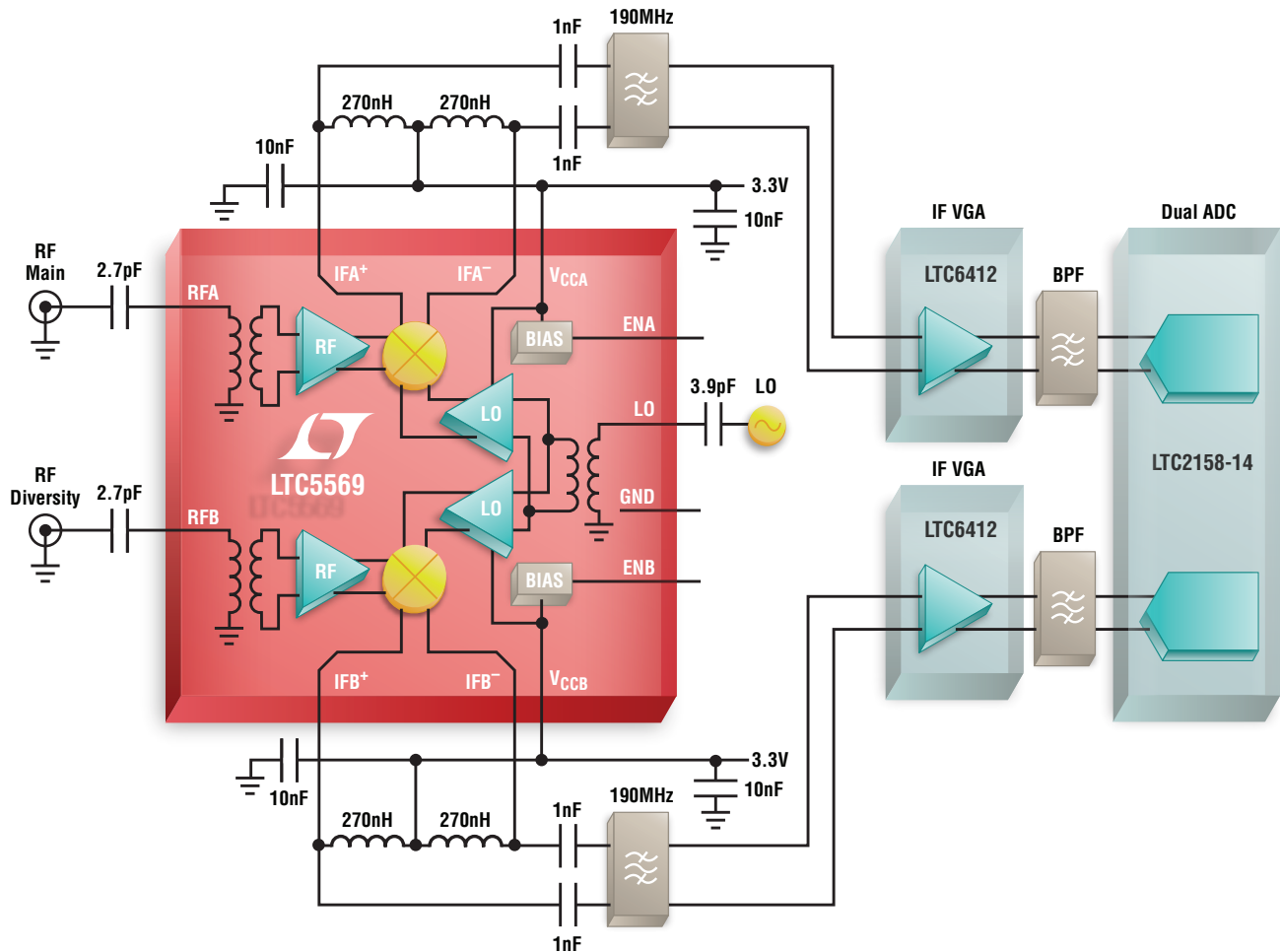


Highest Performance, Lowest Power Dual Mixers



1.95GHz Low Power Diversity Receiver with 190MHz Bandpass IF Matching

Linear Technology Dual Mixer Family

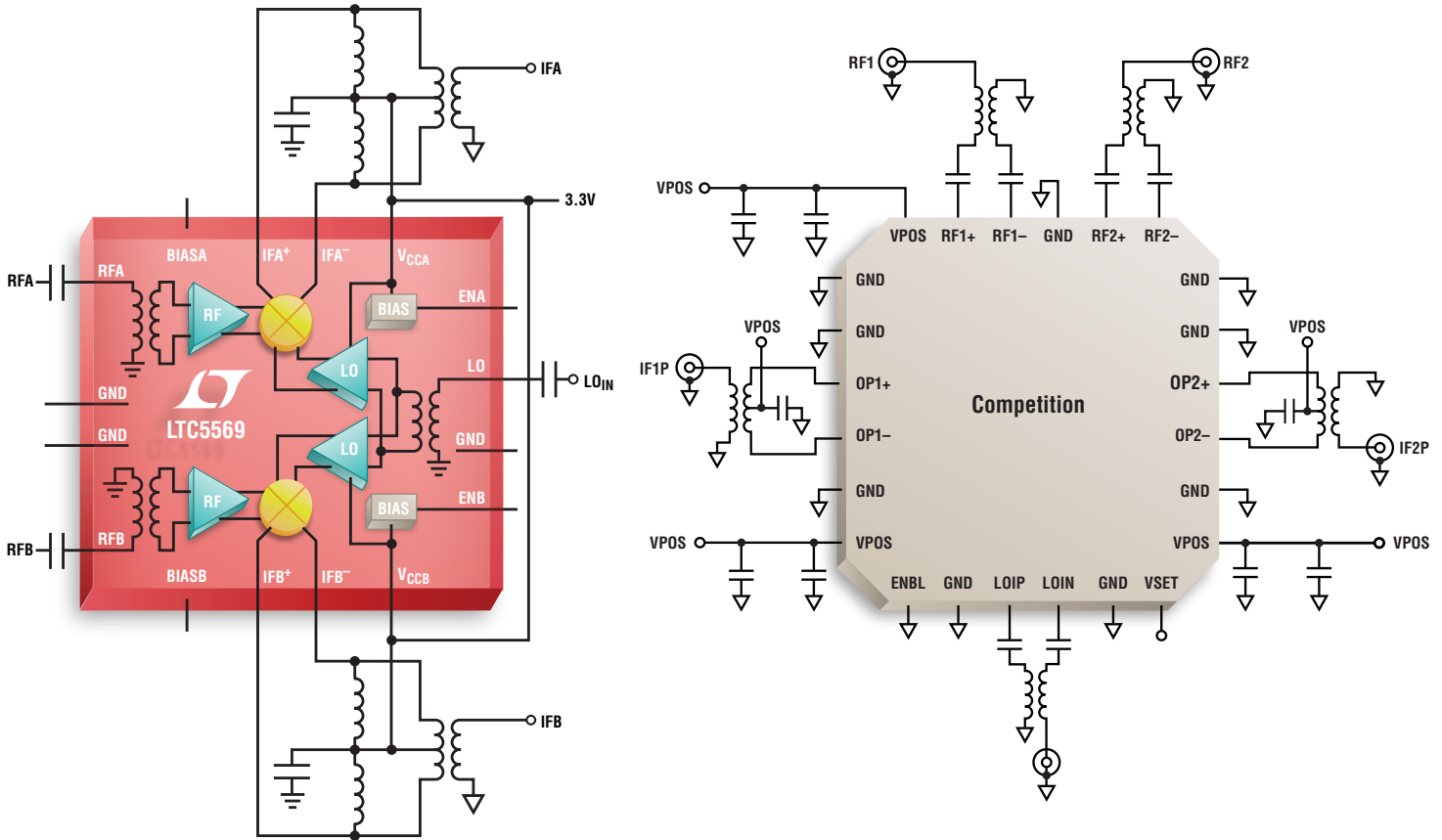
	Frequency Range	IIP3	Gain	NF/5dB Blocking	Power Supply
LTC5569	300MHz to 4GHz	26.8dBm	2dB	11.7/17.0dB	3.3V/182mA
LTC5590	600MHz to 1.7GHz	26.0dBm	8.7dB	9.7/15.5dB	3.3V/379mA
LTC5591	1.3GHz to 2.3GHz	26.2dBm	8.5dB	9.9/15.5dB	3.3V/382mA
LTC5592	1.6GHz to 2.7GHz	26.3dBm	8.3dB	9.8/16.4dB	3.3V/406mA
LTC5593	2.3GHz to 4.5GHz	26.0dBm	8.5dB	9.5/15.9dB	3.3V/397mA



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Compare...

Actual Application Circuit — Fewer External Components Saves Cost



	LTC5569	Competition
IIP3	26.8dBm	28dBm
Gain	2dB	< 0dB
OIP3	28.8dBm	< 28dBm
NF	11.7dB	11.8dB
NF with 0dBm Blocker	14.5dB	22dB
Power Consumption	0.6W	1.1W