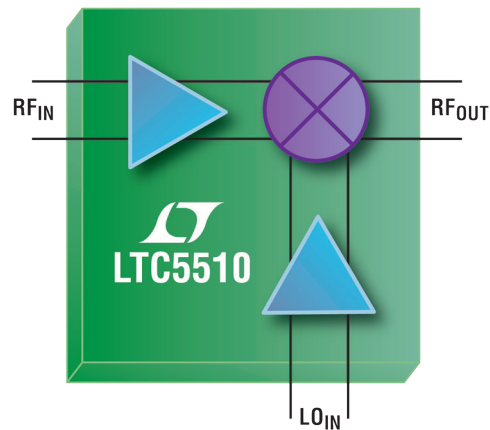
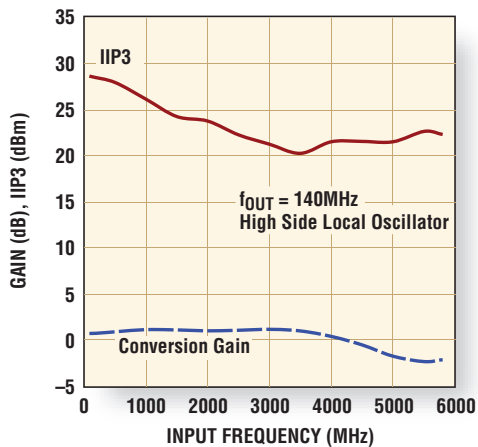








50Ω Matched Input 30MHz to 6GHz Mixer



Excellent Dynamic Range, High Port-to-Port Isolation

The LTC[®]5510's continuous 50Ω matched inputs and high IIP3 from 30MHz to 6GHz set a new level of performance for ultra-wideband scanning receivers, broadcast radios, VHF and white-space receivers, wireless microphone receivers, public safety radios, cable infrastructure receivers and RF test instrumentation. The device's up or downconversion capability provides flexibility while its excellent isolation performance simplifies your design.

Signal Chain Components

	LTC5567 +26.9dBm IIP3, 1.9dB Gain Mixer LTC5569 Dual +26.8dBm IIP3, Low Power Mixer		LTC5582 10GHz, 57dB Dynamic Range RMS Detector LTC5587 6GHz 40dB Dynamic Range RMS Detector + ADC
	LTC6430-15 +50dBm OIP3 @240MHz, 15dB Gain Differential Amplifier LTC6431-15 +47dBm OIP3 @240MHz, 15dB Gain Single-Ended Amplifier		LTC6412 31dB Gain Control, Analog VGA with +35dBm OIP3 LT[®]5554 16dB Gain Control, 0.125dB/Step Digital VGA
	LTC2158-14 Dual 14-Bit, 310Msps ADC LTC2209 16-Bit, 160Msps ADC		LTC6946 Low Phase Noise Integer-N PLL + VCO LTC6945 Low Phase Noise Integer-N PLL

Info & Free Samples

www.linear.com/product/LTC5510

1-800-4-LINEAR



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