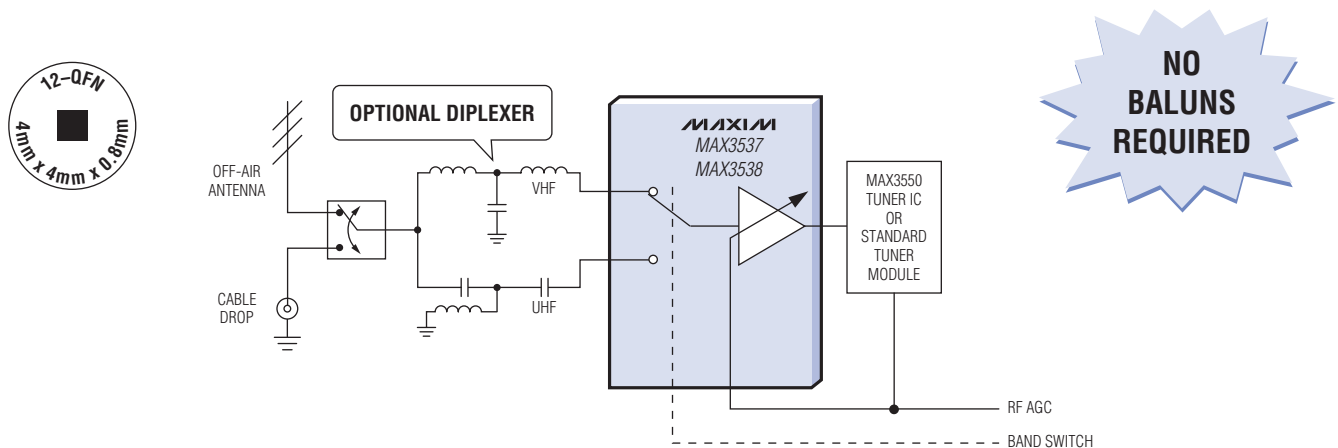


VARIABLE-GAIN TV AMP DELIVERS WORLD-CLASS +18dBm IIP3 AT MAX GAIN

Innovative Switched-Diplex Filter Eliminates the Need for Expensive Baluns

MAX3537/MAX3538 are tailored for terrestrial TV set-top boxes and OpenCable™ TV front-ends where high linearity and low noise figure are important. Packaged in a 12-pin QFN and with 240mW power consumption, the MAX3538 outperforms the competition by providing unmatched linearity at less power consumption. The MAX3537 is targeted at lower performance, cost-sensitive applications, while the MAX3538 is designed for high-end applications.



MAX3538 Features

- ◆ Low Noise Figure—5.0dB at Max Gain
- ◆ High IIP3—+33dBm at 17dB Backoff
- ◆ High IIP2—+53dBm at 17dB Backoff

MAX3538/MAX3537 Benefits

- ◆ Single-Ended Inputs and Outputs—No Baluns
- ◆ Band Switch—Increases Effective IIP2

Part	Max Gain (dB)	AGC Range (dB)	Noise Figure (dB)	IIP3 at Max Gain (dB)	Power Consumption (mW)
MAX3537	9.8	23.1	5.3	16.5	195
MAX3538	12.6	22.6	5.0	18.2	240

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