

# Power Matters.™

[Home](#) ▶ [LX5586ALL](#)

## Products

- ▶ [Product Directory](#)
- ▶ [Applications Directory](#)
- ▶ [Parametric Search](#)

## LX5586ALL

### Product Status

■ In Production

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[Available Stock](#)

[Sales Contacts](#)

[RFQ/Samples](#)

### Overview

### Diagrams

#### Description

The LX5586A is a complete integrated 5GHz Front End Module (FEM) for an IEEE802.11ac system. It includes a highly linear 5GHz Power Amplifier (PA) with power detector, Low Noise Amplifier (LNA) with bypass capability, and SPDT antenna switch. This highly integrated FEM only requires one bypass cap thus reducing system foot-print, bill of materials, and manufacturing cost. The LX5586A is available in 16-pin low profile 2.5x2.5x0.4mm QFN Package.

The LX5586A can be found in multiple IEEE802.11ac reference designs, such as Broadcom's [BCM4335](#), and is an improved version of the [LX5586LQ](#).

#### LX5586/LX5586A News

**Microsemi Introduces World's First SiGe-based, Monolithic RF Front End Device Designed for Broadcom's 5G WiFi Mobile Platforms**



ROHS, PB Free

**Shipping** TR12

Electrical Rating	Symbol	Min	Typ	Max	Unit
Gain	Gain		27.00		dB
Input Voltage (Vdc)	V <sub>I</sub>		3.30		V
Number of Ports	Number of Ports			1.00	
Operating Frequency (GHz)	F <sub>OP</sub>		5.00		GHz
Output Power in dBm	P <sub>dbm</sub>		17.00		dBm

**This part can be found in the following product categories:**

• [RF, Microwave & Millimeter Wave](#) ▶ [WLAN RFICs](#) ▶ [WLAN Front End Modules \(FEM\)](#)