

Wideband

Low Noise Bypass Amplifier

ZX60-53LNB-S+

50Ω 0.5 to 5 GHz

The Big Deal

- Very wideband, 500 MHz – 5 GHz
- Ultra-flat gain, ± 0.6 dB from 700 to 2000 MHz
- Low NF over entire frequency band
- Internal bypass switching extends useable dynamic range



CASE STYLE: GD958

Product Overview

Mini-Circuits ZX60-53LNB-S+ is a low-noise amplifier offering industry-leading performance over its full frequency range from 500 MHz to 5 GHz. It contains internal switching, allowing the user control of the amplifier to handle both high and low signal levels by bypassing the LNA in the presence of large signals. The internal MMIC amplifier ZX60-53LNB-S+ utilizes E-PHEMT technology to achieve excellent noise figure performance in a unique cascade configuration enabling the combination of very wide band performance and flat gain. This model comes in a 48X30mm small connectorized package.

Key Features

Feature	Advantages
Ultra-wideband: 500 MHz – 5 GHz	Ideal for a wide range of receiver applications including military, commercial wireless, and instrumentation.
Very flat gain	Ideal for broadband or multi-band applications. Just one, cost-efficient model required for multiple frequency usage.
High IP3: 48 dBm typ. (bypass mode)	Provides enhanced linearity over broad frequency range under high signal conditions.
Internal bypass switch feature	Unique design handles low to high signal levels with minimal noise distortion.
Small size: 1.88" x 1.18"	This unique unibody size and construction enables the ZX60-53LNB-S+ to be used in compact connectorized applications.

