

Broadband News Update



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15 MAY 08 Anadigics' new linear amplifiers raise standards for power and performance in catv set-top boxes and distribution systems

ANADIGICS, Inc. (Nasdaq: ANAD), today announced the launch of its ABA3101 and ABA3115 balanced low noise linear power amplifiers (PAs) designed to generate exceptional signal integrity in CATV set-top box, distribution and drop applications.

"As demands on cable TV systems continue to increase, ANADIGICS' strategy is to provide equipment designers with a variety of PA solutions based on a common platform, to allow greater design flexibility while reducing production costs," reports Ron Michels, Senior Vice-President and General Manager of ANADIGICS' Broadband Business. "Combining this philosophy with industry leading noise and linearity performance has produced a compelling product portfolio for our cable TV and broadband customers."

The ABA3101 is a +8V supply design that delivers +34dBmV per channel of highly linear output power, together with 12dB of RF gain. Housed in a thermally enhanced package, the ABA3101 maintains composite second order (CSO) and composite triple beat (CTB) distortion products below -69 dBc, and provides a typical noise figure less than 3.2dB across the 1GHz CATV band.

ANADIGICS' ABA3115 operates from a +5V supply to provide +25dBmV per channel of linear output power and 15dB of RF gain. Operating up to 870MHz, this Gallium Arsenide (GaAs) IC maintains CSO and CTB distortion products below -70 dBc, and provides a typical low noise figure of 2.7dB. The ABA3115 also incorporates a shutdown feature under logic control, whereby power consumption is reduced to 15mW.

The ABA3101 and ABA3115, as well as the previously released ABA3100, ADA10000 and ADA10001, are each housed in a 16-pin surface mount package, providing a common platform for CATV product designers.

Read more about Anadigics >> <http://www.bt2000.co.uk/page3.htm>