

Broadband News Update



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27 May 08 ANADIGICS' NEW HIGH-POWER CATV AMPLIFIER FACILITATES MIGRATION TOWARDS DEEP FIBER ARCHITECTURE

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ANADIGICS, Inc. (Nasdaq: ANAD), today launched the ACA2420 power doubler line amplifier, a high output power device designed to ensure optimal video and data delivery in deep fiber HFC architectures and other cable TV deployments that minimize the use of cascaded system amplifiers.

"Cable operators are improving the customer experience with a migration to deep fiber node scenarios, whereby the number of subscribers on each node is reduced, thus increasing the available bandwidth for high definition TV, interactive gaming, and video-on-demand," reports Ron Michels, Senior Vice President and General Manager of ANADIGICS' Broadband Business. "The ACA2420 combines high output power with low distortion to meet the stringent demands of next generation 1GHz fiber-deep nodes and system amplifiers."

ANADIGICS' new power doubler line amplifier supports high output power levels (+58dBmV/ch.) up to 1 GHz, providing a higher quality signal over longer distances, compared to amplifiers with lower output power handling capabilities. Exceptional signal integrity is assured by the ACA2420's high crash point, which allows the device to maintain low carrier-to-intermodulation noise (CIN), composite triple beat (CTB), and composite second order (CSO) distortion.

Available in a 16-pin surface mount package, the ACA2420 consists of two parallel amplifiers with low distortion and low noise figure that are optimized for use in a balanced configuration. The device provides 21.5dB of RF gain and a superior gain flatness of +/- 0.2dB, operating from a single 24VDC power supply.