For Immediate Release

18-40 GHz Successive Detection Log Video Amplifiers (SDLVAs) Deliver Unprecedented Performance

SAN JOSE, CA—June 1, 2007—Endwave Corporation (NASDAQ: ENWV), a provider of high-frequency RF modules for telecommunications networks, defense electronics and homeland security systems, has announced the release of a new series of millimeter-wave successive detection log video amplifiers (SDLVAs) as part of the expanding product line from the acquisition of ALC Microwave. These products are ideal for use in Early Warning and ELINT Receivers, DF Radar Systems, IFM's and other radar and missile guidance systems.

Endwave is now delivering SDLVAs in full and partial band configurations to cover the critical 18-40 GHz bandwidth:

18 – 26 GHz: ASDA-81826
26 – 40 GHz: ASDA-82640
18 – 40 GHz: ASDA-81840

These products are derivatives of ALC's legacy 18-40 GHz DLVAs, but offer improved sensitivity and increased dynamic range in this advanced SDLVA architecture. These advanced ALC Log Amplifiers™ also offer excellent pulse accuracy and stable thermal performance from -45° to +85° C.

Typical performance for the full-band 18-40 GHz SDLVA (P/N: ASDA-81840):

- Tangential Signal Sensitivity: <-65 dBm @ 85°C (30 MHz Video BW)
- Dynamic Range: >69 dB
- Log Linearity: < +/- 1.0 dB
- Frequency Flatness: < +/- 1.5 dB
- Composite accuracy: +/- 4 dB max. (– 45° to 85° C)
- Rise Time: <10 ns
- Recovery Time: <50 ns
- VSWR In/Out: <2.5:1

A popular option includes a limiter at the RF output, which is typically tailored to meet specific customer requirements. The Video BW is configurable to optimize system noise and speed requirements. Customization of rise, fall and recovery times of pulse responses are also available. Video Output Source Resistance is also configurable to match common transmission line impedances. The DC power requirements for these products are only modestly higher than lower frequency 6 -18 GHz SDLVAs with similar dynamic range. Finally, matched sets with log slopes < 2 dB unit-to-unit are also available upon request for sets of four units or more.

Endwave's ALC Log Amplifiers™ are typically hermetically sealed using a laser weld process at the manufacturing facility. Products are thoroughly screened to precipitate infant mortality and latent defect failures. Environmental screening and reliability programs are available to facilitate compliance with specific program requirements. Call Endwave to discuss options extending performance up to 60 GHz, or to obtain even higher levels of tangential sensitivity. Full datasheets are available upon request.

About Endwave

Endwave Corporation designs, manufactures, and markets RF modules that enable the transmission, reception and processing of high-frequency signals in wireless telecommunications networks, defense electronics and homeland security systems. Endwave Defense Systems, an operating division of Endwave, specializes in the unique requirements of defense, homeland security, and other government end-use applications. The company's RF modules consist of microwave components and subsystems, including integrated transceivers, JCA Amplifiers™, ALC Log Amplifiers™, frequency multipliers, up and down converters, oscillators, synthesizers, microwave switch arrays, and other custom multi-function assemblies (MFAs). Endwave has 42 issued patents covering its core technologies including semiconductor and proprietary circuit designs. Corporate headquarters are located in San Jose, CA, with other operations in Diamond Springs, CA; El Dorado Hills, CA; Andover, MA; and Chiang Mai, Thailand.

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