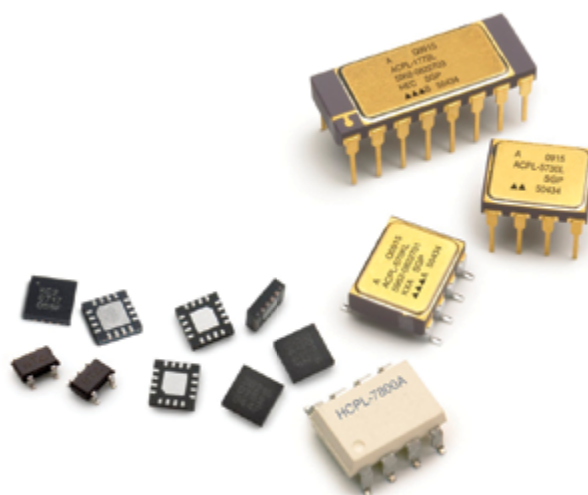


The Avago Advantage



Applications Solutions

Avago Technologies Solutions for **Secure Communications Systems**



Your Imagination, Our Innovation
Sense • Illuminate • Connect

Avago Technologies Solutions for Secure Communications Systems

Secure communications systems incorporate many functions in order to do the advanced digital signal processing used and to access different RF frequency bands.

Avago offers several types of products that are suitable for analog signal input/output isolation, display drivers, and power supply functions as well as RF and microwave components for commonly used frequency bands in the transmit, receive, and detector stages.

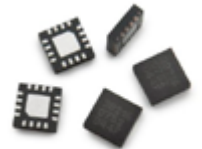


Low-Noise Amplifiers

Avago Low Noise Amplifiers (LNAs) offer an ultra-low noise figure together with superior linearity performance. They uniformly deliver high gain across major frequency bands suitable for secure communications system design.

Featured Products

- Ultra Low Noise Active Bias LNA
- Low Noise E-pHEMT
- High Linearity E-pHEMT
- Dual Stage High Gain & High Linearity LNA
- Ultra Low Noise Match Pair Balance LNA



High Linearity Driver Amps

Avago driver amps have very high linearity and low power consumption. They are easy-to-use with pre-matched and fully matched designs. They deliver uniformly high gain across major frequency bands suitable for common platform radar system design.

Featured Products

- High Linearity 0.5W Driver Amp
- High Linearity 1W Driver Amp
- High Linearity 2W Driver Amp
- High Linear Power Amplifier (700-800MHz & 2300-2700MHz)

Your Imagination. Our Innovation



Avago Technologies is a leading designer, developer and global supplier of a broad range of analog, mixed signal and optoelectronics components and subsystems with a focus in III-V compound semiconductor design and processing. Backed by an extensive portfolio of intellectual property, Avago products serve three primary target markets: wireless communications, wired infrastructure, and industrial and other. Avago has a global employee presence and heritage of technical innovation dating back 50 years to its Hewlett-Packard roots.

Avago products serve three diverse end markets

Wireless Communications serving the smartphone/handset and Base Station infrastructure markets with leading-edge products that include:

- Power Amplifiers
- Front End Modules
- Film Bulk Acoustic Resonator (FBAR) Filters
- GPS/GLONASS LNAs
- Optical Finger Navigation
- LED Backlighting, Screen Illumination
- Ambient Light and Proximity Sensors

Wired Infrastructure for switches/routers, data centers, supercomputers and storage/servers with products that include:

- 168Gb Parallel Optic Arrays
- 28Gb SerDes ASICs in 28nm
- Storage Fibre Channel Transceivers
- QSFP+/SFP+ Ethernet Transceivers

Industrial and Other for alternative energy power generation, electronic sign and signals, automated manufacturing, automotive lighting, GPS/GLONASS navigation, motor inverter system, battery charging and management, infotainment systems and vehicle safety systems with products that include:

- Inverters
- Isolation and Digital Optocouplers
- Motion Control Optical & Magnetic Encoders
- Polymer Optical Fiber
- Indicator and Display LEDs



Contact us for your design needs at: www.avagotech.com

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AV00-0240EN 9/23/13

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