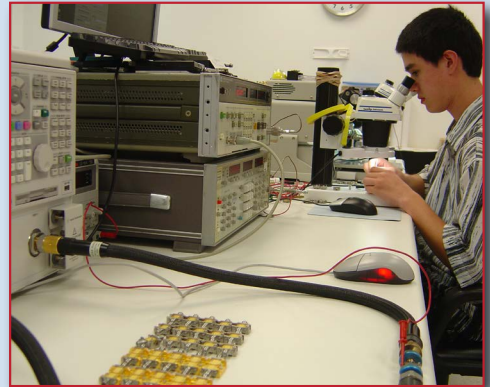
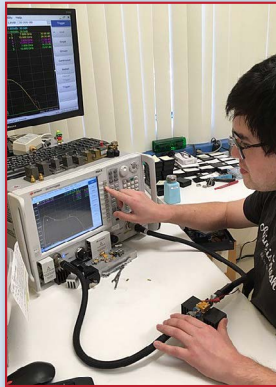


FAB S and LAB S

B&Z Technologies: Innovating to Excel



B&Z Technologies, Inc., located on Long Island, N. Y., has been designing and manufacturing low noise amplifiers and medium power amplifiers for more than 20 years. The engineers at B&Z Technologies have been pioneers in the design of state-of-the-art microwave and mmWave amplifiers for the past 40 years.

B&Z has earned a reputation in the electronics industry as a leading and reliable supplier of state-of-the-art, high-performance amplifiers. These include low noise, wideband, medium power, high dynamic range microwave and mmWave amplifiers. The performance of B&Z amplifiers is made possible by screening and selecting commercially available transistors for high transconductance and incorporating these transistors into circuit designs with negative feedback, traveling wave concepts and proprietary lowpass/highpass network topologies. Using discrete transistors, miniature-sized lumped elements and airline technology enables B&Z Technologies amplifiers to meet stringent performance, mechanical and environmental requirements.

B&Z Technologies' product offering is extremely broad with the B&Z website currently offering more than 6100 products in 16 different amplifier categories. These amplifiers cover a frequency range from 300 KHz to 50 GHz. Several wideband amplifier products can operate at cryogenic temperatures with extremely low noise figures. These devices can be optimized over a specified bandwidth to achieve lower noise figures.

A major advantage offered by B&Z is that over 80 percent of its amplifiers are available in a single, standard connectorized or drop-in package. This increases the efficiency of the design and manufacturing process. The standard packaging also reduces production costs and this helps reduce delivery lead times. This single-package approach gives the system designer the flexibility to support their evolving system requirements without changing the amplifier footprint in the system. The standard housing has a modular design, offering the flexibility of removing the connector fixture, which allows the amplifier to be used in a surface-mount or drop-in configuration with a small footprint. Many of the B&Z amplifiers are available with waveguide input and with weatherproof housings.

The B&Z advantage is its commitment to offer designs based on specific customer specifications. The company supports this commitment by encouraging direct contact between its customers and the B&Z design engineering team. B&Z Technologies believes that this approach minimizes the time it takes to arrive at a mutually agreed upon cost-effective solution, which minimizes the time required to deliver a product.

B&Z has relied upon these processes and advantages to become a reliable supplier of state-of-the-art amplifiers for applications at defense satcom and research organizations worldwide.

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