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ELEV: 0.75

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### About dB Control

Established in 1990, dB Control Corp. supplies mission-critical, often sole-source, products worldwide to military organizations, as well as to major defense contractors and commercial manufacturers. dB Control is a subsidiary of the Electronic Technologies Group of HEICO Corp., a publicly traded aerospace and electronics company with more than 60 subsidiaries. dB Control designs and manufactures reliable high-power TWT Amplifiers (TWTAs), microwave power modules (MPMs), transmitters and power supplies with modulators for radar, electronic countermeasures (ECM), and data link applications. Acquisitions in 2019 and 2021 have added

## Custom RF/Microwave Components and Integrated Assemblies



custom RF sources and receivers, RF and microwave components and integrated microwave subsystems to the product lineup. The company also offers specialized contract manufacturing and repair depot services from its modern 40,000-square-foot facilities in Fremont, California. dB Control is AS9100D and ISO 9001:2015 certified.

### Military. Medical. Telecom. Instrumentation.

SCALE: 1KM/PXL  
50KM



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# Custom Solutions for Your EW Requirements

## PIN Diode Switches

- Low loss
- High power
- Custom to 24 or more throws
- High isolation
- Absorptive
- High speed
- Multipole
- Phase matched
- Low video transients

## Pin Attenuators

- Analog controlled, monotonic
- Digitally controlled, monotonic

## Switch Matrices

- Vertical integration (no cable interconnects)
- High isolation

## Switched Filter Banks

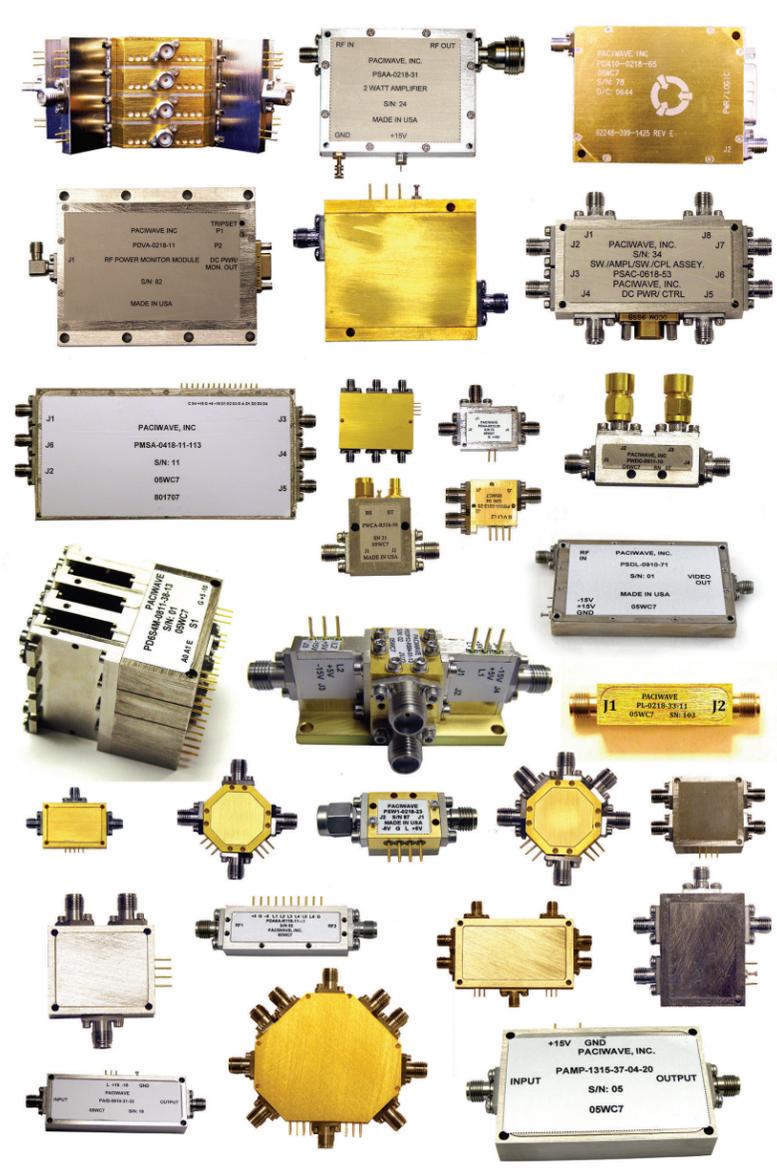
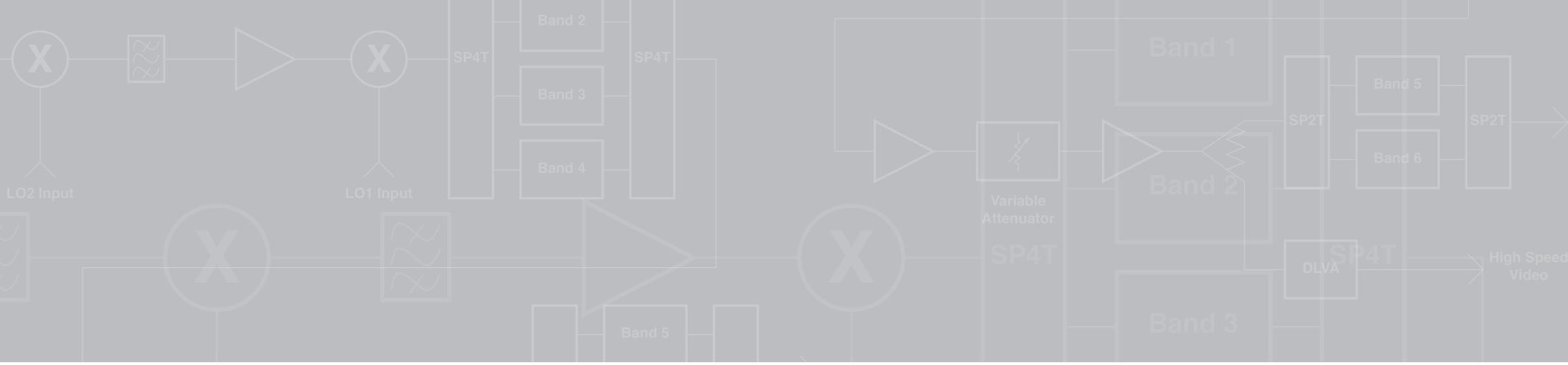
- Fast switching between bands
- High band-to-band isolation

## Detector Log Video Amplifiers (DLVAs)

- Up to 85 dB dynamic range
- Broadband
- High speed
- Excellent log accuracy and linearity

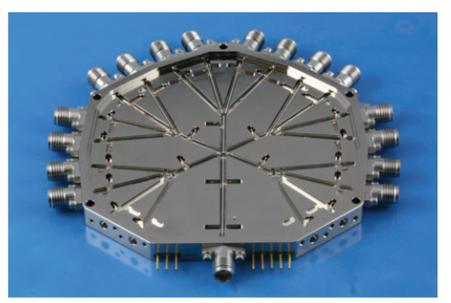
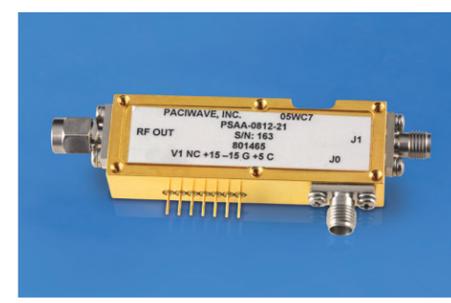
## Custom Assemblies and Subsystems

- TR modules
- TX/RX assemblies
- Frequency sources
- Frequency converters
- Broadband receivers and tuners
- Front-end assemblies
- Medium- and high-power amplifiers
- Multifunctional modules



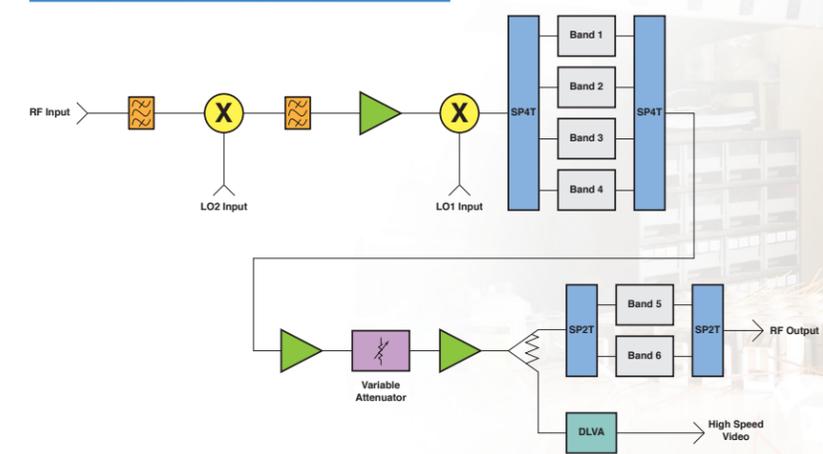
## Higher Isolation, Lower Loss, High-Density Integration

dB Control uses a discrete and flexible design approach for complex defense, medical, telecom and instrumentation applications. Our customized and integrated designs offer better performance (high isolation, low loss) and higher efficiency (high-density integration). The result? RF/microwave components and integrated microwave assemblies tailored to your exact SWaP requirements. As a customer, you'll have access to a library of designed modules with proven reliability—so you can be confident in the performance of your customized products.



## Reputation for Quality and Reliability

Extensive use of CAD tools such as Agilent Genesis, AutoCAD and other proprietary software  
 Instrumented from DC to 40 GHz  
 Quality system per ISO 9001-2015, AS9100D, MIL-Q-9858  
 Inspections per MIL-I-45208, testing per MIL-STD-883  
 All products subjected to ESS per program requirements



**Reliability by Design®**

