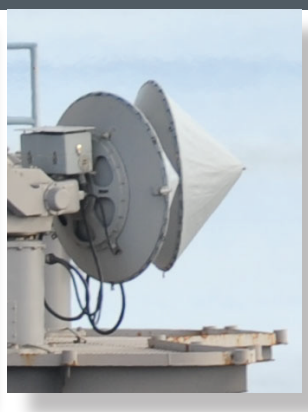
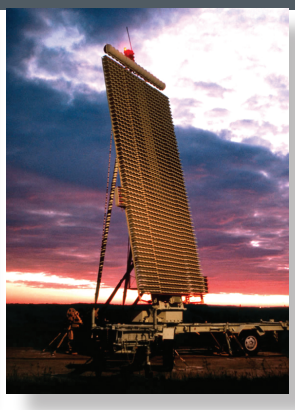





CPI Electron Device Business

Receiver Protector And Control Components

- RECEIVER PROTECTORS
- SOLID STATE LIMITERS
- PLASMA LIMITERS
- SOLID STATE SWITCHES
- PRESSURE WINDOWS
- WAVEGUIDES
- DUPLEXERS
- MULTIPACTORS

CPI Electron Device Business

www.cpi-edb.com

CPI Electron Device Business is the world's largest manufacturer of Receiver Protectors

CPI Electron Device Business (CPI EDB) has been designing and manufacturing receiver protector products at its Beverly, Massachusetts location continuously for over 60 years. CPI EDB is the largest and most sophisticated manufacturer of such products in the world today. Current designs span the spectrum from low-frequency coaxial limiters to complete Pre-TR Limiter, TR limiters with attenuation and phase control up to Ka-Band.

CPI EDB's products are manufactured in all transmission line types, including waveguide, coax, stripline and microstrip. Advances in computer-aided modeling techniques have made it possible for CPI EDB to achieve performance levels that would have been unheard of only a few years ago. CPI EDB's modern and extensive low- and high-power test facilities allow for complete verification of specified performance parameters.

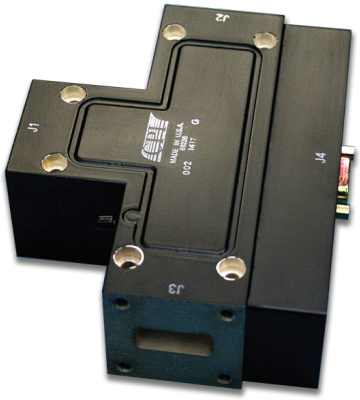
FOR MORE RECEIVER PROTECTOR AND CONTROL COMPONENT PRODUCTS:
WWW.CPI-EDB.COM

Solid State Limiters

- Available in frequencies: L, S, C, X, Ku, Ka Bands
- High peak power handling
- Very fast recovery times
- Reliable out of band protection

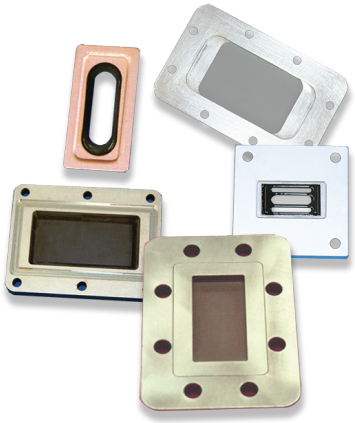
Microwave Switches

- Available in frequencies: L, S, C, X, Ku, Ka Bands
- Low insertion loss
- Digital control
- Fast switching time
- SPST
- SPDT



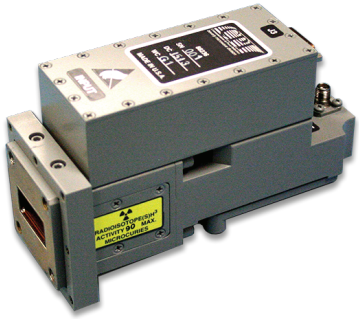
Pressure Windows

- Available in frequencies: L, S, C, X, Ku, Ka , W Bands
- Materials: glass, ceramic, quartz, Teflon fiberglass, Beryllium Oxide
- Low loss, low cost
- Option to add gaskets
- Option for liquid cooling



Pre-TR / Limiters

- Available in frequencies L, S, C, X, Ku, Ka Bands
- High peak power
- Very fast recovery times
- Low output leakage
- Superior broadband isolation

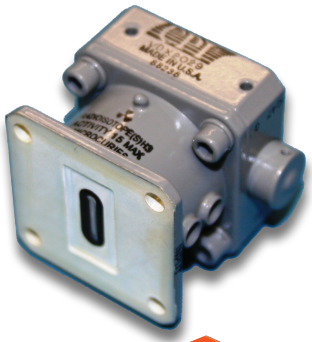


CPI Electron Device Business

CPI Electron Device Business is the world's largest manufacturer of Receiver Protectors

Applications:

- Missile seekers
- Airborne radar and EW
- Ground based systems
- Unmanned Aerial Vehicles (UAV)
- Naval radars
- Air traffic control
- Weather radars



TR / Limiters

- Available in frequencies: L, S, C, X, Ku, Ka Bands
- High peak power
- Longer recovery times
- Very low loss
- Passive protection
- Compact design

Pre-TR / TR / Limiters

- Available in frequencies: L, S, C, X, Ku, Ka Bands
- High peak power
- Fast recovery time
- Manages various waveforms
- Low loss protection

ASK US ABOUT INTEGRATING ADDITIONAL FUNCTIONALITY...

- Digital / Analog Attenuation
- Low Noise Amplifiers (LNA)
- Absorptive Limiters
- Couplers
- High Power Circulators
- Filters
- Noise Sources

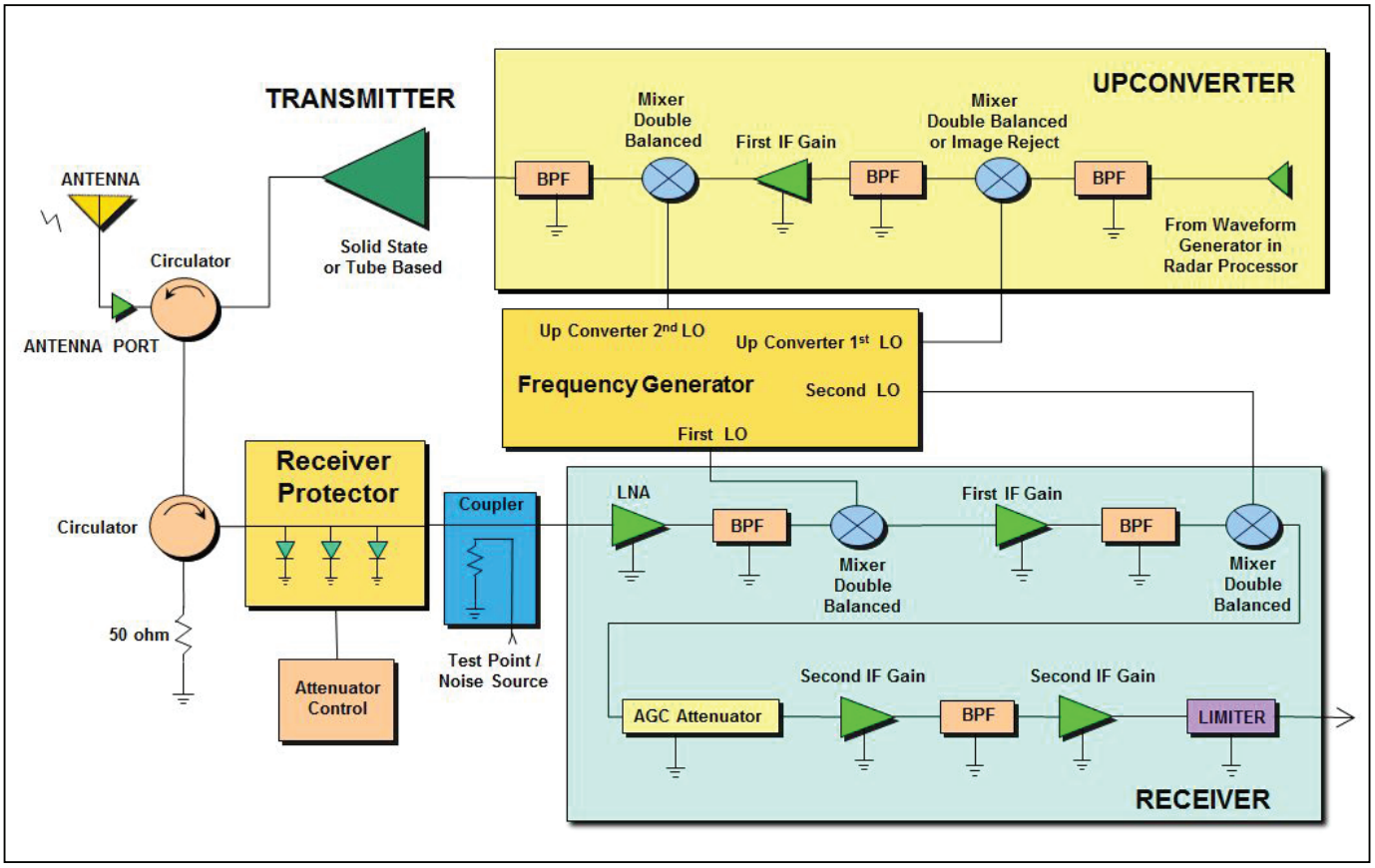
CPI Electron Device Business

Radar Block Diagram

Historically, radar system designers selected various components from different suppliers without the ability to accomodate how they interact. CPI EDB has a successful history of providing additional functionality to receiver protectors, by integrating passive and active components into a single, Integrated Microwave Assembly (IMA).

CPI EDB produces a compact, more efficient integrated component, by optimizing performance, reducing development costs and ultimately, providing increased functionality to the end product.

This Radar Block Diagram depicts the various building blocks of a typical radar system that CPI EDB is capable of integrating to fit your design needs.



Ask us about integrating your designs today.

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For more detailed information, please refer to the corresponding CPI EDB technical description if one has been published, or contact CPI EDB. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI EDB before using this information for system design.