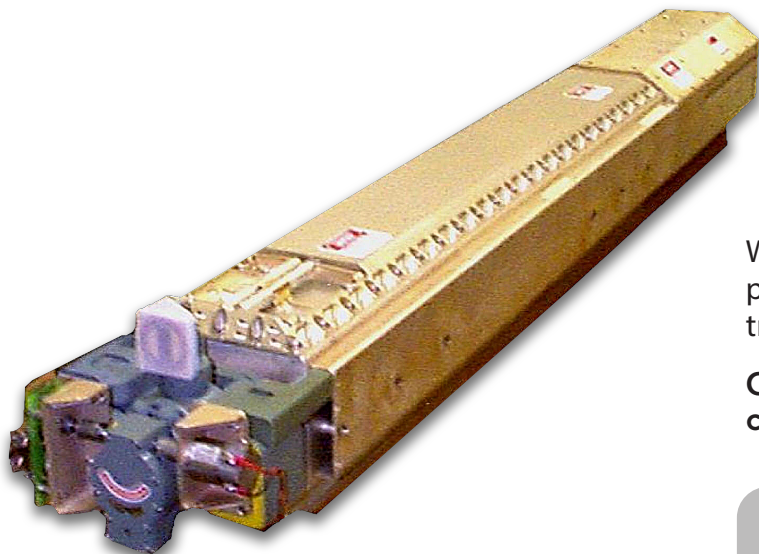


CPI Electron Device Business - Magnetron Transmitter



With a history of producing high quality products, we can help you with your magnetron transmitter.

Contact us at ElectronDevices@cpi-edb.com or call us at +1 978-922-6000.

The VPX3490 is a highly reliable pulsed microwave transmitter that is suitable for the high vibration, shock and wide temperature variation environments that are typically encountered in supersonic aircraft pod mounted threat simulation equipment. This transmitter is able to operate five separate magnetrons (one at a time). Magnetron output frequency and RF pulsewidth are controlled via digital inputs. The pulsewidth, PRF, and RF frequency may be changed "on the fly" from a location remote to the transmitter. The transmitter is sized to fit the confines of a standard airborne pod.

FEATURES:

- Multi band 7.8 - 17.5 GHz
- Peak RF power output: 100 W
- Pulse modulated
- MIL spec airborne qualified

BENEFITS:

- Highly stable
- Rugged design for critical military aircraft use
- Production item
- Excellent reliability

APPLICATIONS:

- Airborne threat simulator
- Supersonic pod compatible

Typical Operating Parameters

Peak Power (kW)	Duty	Pulsewidth	Input power
100 W	0.00125	0.1 – 2.0 ns	115 - 200 V