



*Electron Device
Business*

Electronic Warfare and Radar Products

Durable and Reliable



TRANSMITTERS

POWER SUPPLIES

INTEGRATED MICROWAVE
ASSEMBLIES (IMAs)

MICROWAVE POWER
MODULES (MPMs)

COUPLED CAVITY TWTs

Airborne, Shipboard, & Decoy Applications

Transmitters

- Available in 1 GHz to 18 GHz
- Low noise figures
- Available in pulsed and CW modes



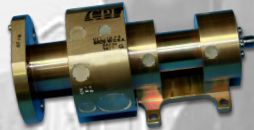
Power supplies

- Available in:
 - Low band
 - High band
 - I/J band
- Efficient
- Compact
- Military Environment Qualified



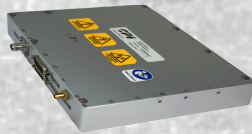
Integrated Microwave Assemblies

- Available in 0.5 - 50 GHz
- Fast switching time
- Fast recovery time
- Military environment qualified
- Available with or without coax interfaces
- Efficient
- Compact
- Long pulse
- High duty



Microwave Power Modules (MPMs)

- Available in 2 GHz to 40 GHz
- TWT & solid-state solutions
- Up to 1000 W
- Compact and lightweight
- Efficient and reliable





Electron Device
Business

EW and Radar Products

CPI Electron Device Business' products are found in EW and radar systems around the globe.

Coupled-Cavity TWTs

- Up to 50 kW
- 2.4% duty max
- Ground radars
- Efficient and compact
- Force air cooled



Integral to the protection of warfighters worldwide by providing consistent reliable components.

For more electronic warfare products go to www.cpi-edb.com



EW and Radar Products

With a history of producing high-power, high quality products, we can help you with your EW and radar systems.

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

Tranmitter Capability Table

Band	Frequency	Output Power	Duty Cycle
Low Band	2 – 8 GHz	Up to 4 kW	Various
High Band	8-18 GHz	Up to 8 kW	Various
I/J Band	6-18 GHz	Up to 200 W	CW

Power Supply Capability Table

Band	Peak Power	Operating Voltage	Operating Temperatures	Altitude	VED Type
X-Band	800 Watts	2750 V	-45 to +88 °C	70,000 ft	Magnetron
I/J-Band	50-100 Watts	4400 V (cathode)	-30 to +60 °C	10,000 ft	Helix TWT
Ku-Band	400 Watts (pulsed)	28 VDC	-40 to +70 °C	36,000 ft	Booster Helix TWT
Low band	400-1000 Watts	4.4 kV	-30 to +80 °C	50,000 ft	Helix TWT

Power levels and frequencies are dependent on the TWT selected

Microwave Power Module (MPM) Capability Table

Band	Frequency	Output Power	Duty Cycle
Broadband	2.0–18.0 GHz	Up to 200 W	CW/Pulse
X-Band	9.0-10.0 GHz	1000 W	Pulse (10% max)
Ku-Band	13.75 -15.5 GHz	110-600 W	CW
Ka-Band	26.5 -40.0 GHz	60-160 W	CW/Pulse

Coupled-Cavity Traveling Wave Tube (CCTWT) Capability Table

Band	Frequency	Output Power	Duty Cycle
S-Band	2.75 -3.5 GHz	Up to 50 kW	2.4%



cpi-edb.com



Beverly Microwave Division
150 Sohier Road
Beverly, Massachusetts
USA 01915

TMD Technologies Division
Swallowfield Way
Hayes, Middlesex
UK UB3 1DQ

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.

© 2024 CPI Electron Device Business. Company proprietary: use and reproduction is strictly prohibited without written authorization from CPI EDB.