



*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

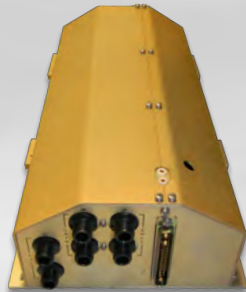
## Transmitters

- 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



## 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](http://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  
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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](http://cpi-edb.com)



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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.

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