

Communications & Power Industries Power Supplies

CPI Beverly Microwave Division manufactures CW, TWT power supplies for use in Electronic Warfare electronic counter measures and radar applications.

FEATURES:

- High altitude compliant
- Small, condensed supplies
- Airborne qualified
- Pod mounted capability

BENEFITS:

- High reliability
- Rugged for airborne military environment

APPLICATIONS:

- Airborne radars
- EW applications
- Radars



Typical Operating Parameters

| Frequency (GHz) | Peak Power | Operating Voltage | Operating Temperatures | Altitude | VED Type |
|-----------------|--------------------|-------------------|------------------------|-----------|-------------------|
| X-Band | 800 Watts | 2750V | -45 to +88 degrees C | 70,000 ft | Magnetron |
| I/J-Band | 50-100 Watts | 4400V (cathode) | -30 to +60 degrees C | 10,000 ft | Helix TWT |
| Ku-Band | 400 Watts (pulsed) | 28VDC | -40 to +_70 degrees C | 36,000 ft | Booster Helix TWT |
| Low band | 400-1000 Watts | 4.4 kV | -30 to +80 degrees C | 50,000 ft | Helix TWT |

Power levels and frequencies are dependent on the TWT selected



Beverly Microwave Division
150 Sohier Road
Beverly, Massachusetts
USA 01915

tel +1 978-922-6000
email BMDMarketing@cpii.com
fax +1 978-922-8914
web www.cpii.com

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

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