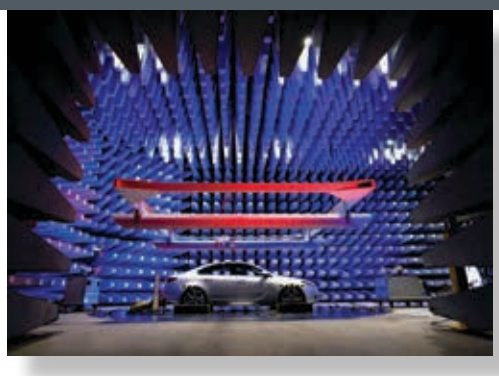

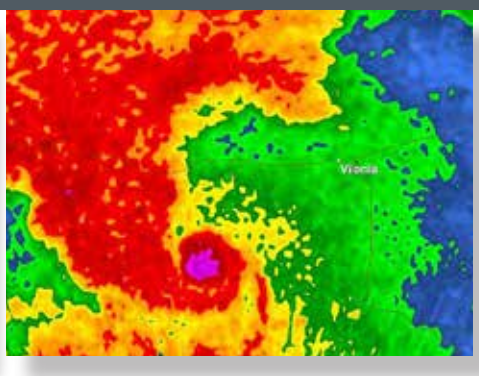

Communications & Power Industries

High Power Transmitters

KLYSTRON TRANSMITTERS
S and C Bands

MAGNETRON TRANSMITTERS
S, C, X, and Ku Bands

TWT TRANSMITTERS
S, C, X, and I/J Bands

CCTWT TRANSMITTERS
C and X Bands

PULSED INSTRUMENTATION AMPLIFIERS
L, S, C, X, Ku, and I/J Bands

CPI Communications & Power Industries

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Check out all the CPI high power transmitters at www.cpii.com/bmd

Weather Radar Transmitters

- Available in: S, C and X-Band
- Support most new and existing weather radar systems
- Individual microwave components or a complete transmitter

Klystron Weather Radar Transmitters

- S, C, and X-Band transmitters
- Excellent stability & performance
- Tunable
- Up to 1 MW peak output power
- Forced air cooled
- Touch screen with local/remote control
- Ethernet connectivity for remote monitoring & control

Magnetron Weather Radar Transmitters

- S, C, and X-Band transmitters
- Sheltered or outdoor models
- Forced air cooled
- Touch screen with local/remote control
- Excellent Doppler performance
- Mechanically tunable frequency
- Ethernet connectivity for remote monitoring & control

Industrial and Scientific Transmitters

- Available in rack mount and turnkey configurations
- Compact and ultra-wide band
- Available in: L-Band, S-Band, C-Band, X-Band and Ku-Band

IOT, Gyrotron and TWT Transmitters

- Liquid cooled
- Four port circulator available
- GaN Solid State Power Amplifier Driver
- Superior stability, phase and amplitude ripple
- High power, high efficiency
- User friendly control and operation

CPI Communications & Power Industries

Check out all the CPI high power transmitters at www.cpii.com/bmd

EMC/TWT Pulsed Transmitters

- Available in rack mount and turnkey configurations
- Compact and ultra-wide band
- Available in: L-Band, S-Band, C-Band, X-Band and Ku-Band

S-Band TWT Compact Pulsed Amplifiers

- Single phase AC power
- Local or remote control
- Wide RF bandwidth
- GPIB remote

X-Band TWT Compact Pulsed Amplifiers

- Mobile
- GPIB remote
- Touchscreen
- Waveguide output

Airborne and Surveillance Radar Transmitters

Airborne Radar Transmitters

- S, C, and X-Band transmitters
- Ruggedized design
- Outstanding power per volume
- Easy to control/operate
- Forced air cooled
- High levels of readiness

Surveillance Radar Transmitters

- S, C, and X-Band transmitters
- Resonant high voltage power supply
- Forced air cooled
- Outstanding power per volume

CPI Communications & Power Industries

High Power Transmitters

Communications & Power Industries High Power Transmitters: customized for your application

Contact us at BMDMarketing@cpii.com or at call us at +1 978-922-6000.

Typical Operating Parameters

Transmitter Application	Frequency Band	Peak Power Range	Average Power Range	Based On
Weather Radar	S	850 kW – 1000 W	2 kW	Klystron, Magnetron
Weather Radar	C	250 kW - 1000 W	0.6 kW – 2 kW	Klystron, Magnetron
Weather Radar	X	300 kW	0.3 kW	Klystron, Magnetron
Industrial and Scientific	Ka	100 W – 10 kW	100 W – 10 kW (min) CW	Gyrotron
Industrial and Scientific	L	90 kW	6.4 kW	IOT
Industrial and Scientific	L	30 kW	Adjustable (2 kW – 30 kW)	IOT
Instrumentation Amplifier	C	60 kW	3 kW	CCTWT
Instrumentation Amplifier	X	15 kW – 17 kW	600 W - 1020 W	CCTWT
Instrumentation Amplifier	L	2 kW, 4 kW and 7.5 kW	80 W, 160 W, 300 W	TWT
Instrumentation Amplifier	S	4.2 kW and 8 kW	250 W, 480 W	TWT
Instrumentation Amplifier	C	4.2 kW and 8 kW	250 W, 480 W	TWT
Instrumentation Amplifier	X	5 kW and 8 kW	300 W, 480 W	TWT
Instrumentation Amplifier	Ku	3.2 kW and 6 kW	192 W, 360 W	TWT
Airborne and Surveillance	2 -18 GHz	250 W	CW	EW TWT
Airborne and Surveillance	J	400 W	CW	TWT
Airborne and Surveillance	2 -18 GHz	100 W - 10 kW	CW	Booster TWT

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