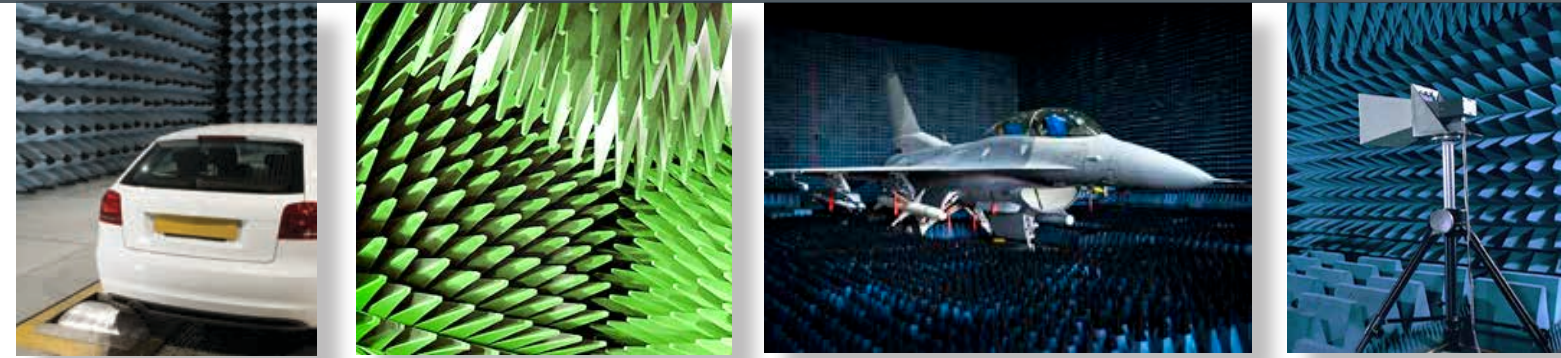


# Pulsed Instrumentation Amplifiers

Communications & Power Industries Pulsed Instrumentation Amplifiers:  
Frequency and power levels to support your testing requirements

## Typical Operating Parameters

Band	Frequency (GHz)	Output Power (W)	Pulsed/CW
L-Band Solid State Pulsed Amplifier	1.2 – 2.4	4000	Pulsed
L-Band Solid State Pulsed Amplifier	1.2 – 2.4	8000	Pulsed
L-Band TWT Pulsed Amplifier	1.0 – 2.5	2000	Pulsed
L-Band TWT Pulsed Amplifier	1.0 – 2.0	4000	Pulsed
L-Band TWT Combined Pulsed Amplifier	1.0 – 2.0	7500	Pulsed
S-Band TWT Pulsed Amplifier	2.0 – 4.0	4250	Pulsed
S-Band TWT Combined Pulsed Amplifier	2.0 – 4.0	8000	Pulsed
C-Band TWT Pulsed Amplifier	4.0 – 8.0	4250	Pulsed
C-Band TWT Combined Pulsed Amplifier	4.0 – 8.0	8000	Pulsed
X-Band TWT Pulsed Amplifier	8.0 – 12.0	5000	Pulsed
X-Band TWT Combined Pulsed Amplifier	8.0 – 12.0	8000	Pulsed
Ku-Band TWT Pulsed Amplifier	12.0 – 18.0	3250	Pulsed
Ku-Band TWT Combined Pulsed Amplifier	12.0 – 18.0	6000	Pulsed



Communications & Power Industries  
**Pulsed Instrumentation Amplifiers (PIAs)**  
for EMC/Test and Measurement

**Communications & Power Industries PIAs customized for your application.**

With a history of producing high power, high quality products, we can help you with your SSPA questions.

Contact us at [BMDMarketing@cpil.com](mailto:BMDMarketing@cpil.com) or at call us at +1 978-922-6000



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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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L-Band PIAs  
S-Band PIAs  
C-Band PIAs  
X-Band PIAs  
Ku-Band PIAs

## Communications & Power Industries Pulsed Instrumentation Amplifiers: Accuracy that is needed and required

### Compact and ultra-wide band



#### TWT Compact Pulsed Amplifiers

- Rack mountable
- On screen diagnosis
- Local or remote control
- Soft fail

Multiple frequencies available, automatic fault recycle, userfriendly microprocessor-controlled logic with integrated computer interface, digital metering, electronic variable attenuation, soft fail when subjected to extreme load SWR conditions, and quiet operation suitable for laboratory environments.

An integral solid state preamplifier and IEEE interface are included as standard features.

### Available in rack mount and turnkey configurations



#### Solid State Combined Pulsed Amplifiers

- Rack mount
- Soft fail SSPA based
- Coaxial output
- GPIB remote
- Touchscreen
- Modular assembly
- Single phase AC power
- Local or remote control
- Wide RF bandwidth

Versatile Modular assembly allows for either lower powered multiple test applications or a single amplifier phase combined system of two VSL3680 4 kW SSPA amplifiers achieving 8.0 kW peak-pulsed output power.

#### TWT Combined Pulsed Amplifiers

- Mobile
- GPIB remote
- Touchscreen
- Waveguide output
- Single phase AC power
- Local or remote control
- Wide RF bandwidth
- Compact high pulsed power

Modular assembly allows for either lower powered multiple test applications or a single amplifier phase combined system of two amplifiers achieving 8.0 kW peak-pulsed output power.

Wide band, automatic fault recycle, user-friendly microprocessor-controlled logic with integrated computer interface, digital metering, and quiet operation suitable for laboratory environments. An integral solid state preamplifier and IEEE interface are included as standard features.

