

Communications & Power Industries Pulsed Amplifier

Versatile

Modular assembly allows for either lower powered multiple test applications or a single amplifier phase combined system of two VZS3530J1 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.

Global Applications

230 VAC operation. Designed to meet International Safety Standard EN61010 and Electromagnetic Compatibility 2004/108/EC. NOT subject to ITAR export controls.

Easy to Maintain

Modular design and built-in fault diagnostic capability.

Worldwide Support

Backed by more than 50 years of high power experience, CPI's worldwide 24-hour customer support network includes more than 20 regional factory service centers.

With a history of producing high quality products, we can help you with your pulsed amplifier.

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



FEATURES:

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

BENEFITS:

- Versatile
- Suitable for lab environments
- Designed for the global market
- Modular assembly and built-in fault diagnostics for easy maintenance
- Wide RF bandwidth reduces number of required amplifiers

APPLICATIONS:

- Test and measurement systems

CPI S-Band 8.0 kW TWT Pulsed Amplifier: VZS3530P2

SPECIFICATIONS

Frequency	2.0 to 4.0 GHz
Output power (min.) flange	8000 W combined (in the majority of the frequency band)
Gain	68 dB typical
Gain adjustment range	20 dB min.
Input VSWR	2.5:1 typical
Output VSWR	2.5:1 typical
Load VSWR	1.5:1 max. for full spec. compliance (VSWR protection)
Pulsewidth	0.1 μ s to 100 μ s
PRF	50 kHz maximum
Duty cycle	6% maximum
Delay	400 ns typical
Droop	0.5 dB over 50 μ s
NPO	-10 dBm/MHz Beam on: -110 dBm/MHz Beam off
Primary power	220-240 VAC, single phase 47-63 Hz
Power consumption	4.4 kVA typical
Filament voltage	Reduction of 10% in standby for extended TWT life
Inrush current	200% maximum
Ambient temperature	-10° to +40°C operating -40° to +70°C non-operating
Relative humidity	95% non-condensing
Altitude	10,000 ft. with standard adiabatic derating of 2°C/1000 ft., operating: 40,000 ft., non-operating
Shock and vibration	As normally encountered in a protected laboratory environment
Cooling (TWT)	Forced air with integral blower Rear air intake and exhaust; 0.10" water max. external pressure loss allowable
RF Input connection	Type N female
RF Output connection	S/C coaxial
Dimensions (W X H X D)*	23 x 59 x 37in. (584 x 1499 x 940 mm)
Weight	\approx 600lbs. (273 kg) max.
Heat dissipation	\approx 3000 W
Safety	ENG61010
Acoustic noise	65 dBA @ 3 ft. from amplifier

*excluding cabinet and system accessories



**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.

©2020 Communications & Power Industries LLC.
Company proprietary; use and reproduction is strictly prohibited without written authorization from CPI.