

Communications & Power Industries Beverly Microwave Division's Solid State Pulsed Amplifier



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.

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. The export and re-export of this commodity is subject to the EAR.

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.

FEATURES:

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

BENEFITS:

- GaN based
- Versatile
- Suitable for lab environments
- Designed for the global market
- Modular assembly and built-in fault diagnostics for easy maintenance

APPLICATIONS:

- Test & measurement systems

L-Band 4.0 kW Solid State Pulsed Amplifier: VSL3680

Specifications

Frequency Range	1.0 to 2.0 GHz
Saturated RF Output Power	4000 W
RF Input Power	0 dBm (Max)
Output Power Flatness	3 dB
Across Frequency Range	
Duty Cycle	5%
Maximum Input VSWR	2:1
Maximum Output VSWR	2:1
MTBF	>132,000 hrs.
VSWR Protection	Reverse power sense BIT

Mechanical and Electrical Specifications

Prime Power	Single Phase, 230 Volts AC, 50 to 60 HZ
Cooling	Forced air
RF Input Connection	Type-N
RF Output Connection	7/16 DIN
RF Output Monitor	Type-N
Dimensions (width)	19 in (483 mm)
Dimensions (height)	14 in (356 mm)
Dimensions (depth)	26 in (661 mm)
Max. Weight	Est. 200 lbs . (91 kg)



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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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