

L-Band 8.0 kW Solid State Pulsed Amplifier

VSL3679

Features:

- Soft fail SSPA based
- Coaxial output
- GPIB remote
- Touchscreen
- 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

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.

- Solid State Power Amplifiers • Integrated Microwave Assemblies
- Receiver Protectors • Control Components • Transmitters • Amplifiers
- Modulators • Magnetrons • Crossed Field Amplifiers
- Ring Loop Traveling Wave Tubes • Power Couplers



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| Specifications | |
|--|-------------------------|
| Frequency Range | 1.0 to 2.0 GHz |
| Saturated RF Output Power | 8000 W |
| RF Input Power | 0 dBm (Max) |
| Output Power Flatness Across Frequency Range | 3 dB |
| Duty Cycle | 5% |
| Maximum Input VSWR | 2:1 |
| Maximum Output VSWR | 2:1 |
| 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) | 23 in (584 mm) |
| Dimensions (height) | 59 in (1499 mm) |
| Dimensions (depth) | 37 in (940 mm) |
| Max. Weight | Est. 600 lbs. (273 kg) |

The values listed above represent specified limits for the product and are subject to change. The data should be used for basic information only. Formal, controlled specifications may be obtained from CPI for use in equipment design.