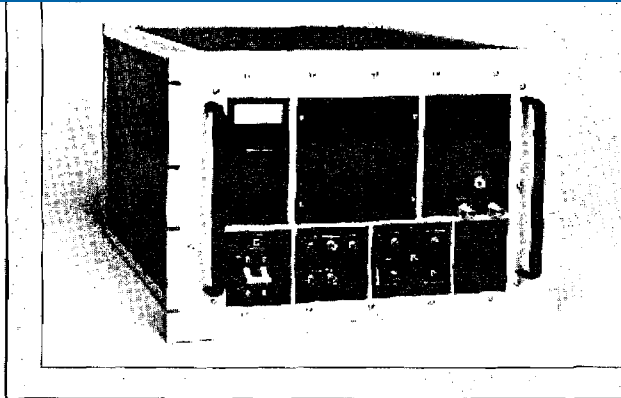




Advanced Test Equipment Rentals

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TRAVELING
WAVE
TUBE
AMPLIFIERS



HIGH POWER AMPLIFIERS

A710 SERIES
1 Kw PULSED
0.7-18.0 GHz
2% DUTY CYCLE

The Logimetrics A710 series of 2% duty cycle pulsed kilowatt high power instrumentation and subsystem amplifiers provide the user with proven reliable instrumentation for a wide variety of test and system applications. Each amplifier features regulation of the helix, filament, and grid power supplies, thus providing

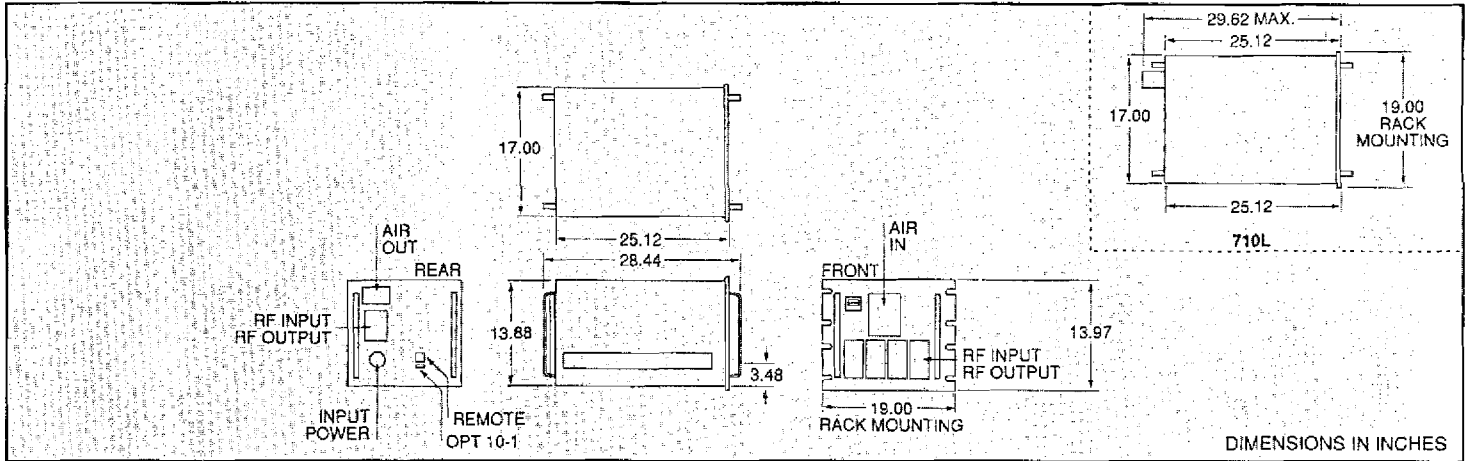
stable operation and long life for the TWTs. The TWT is fully protected against power supply malfunctions such as helix overcurrent, and excessive duty cycle. The power supply is designed to incorporate TWTs as manufactured by several suppliers, allowing for wide flexibility in meeting your needs.

- Monitors
Beam Current Meter
- Status Indicators
Power On
RF Standby/On
Faults:
Beam
Power Supply Thermal Overload
TWT Thermal Overload
Air Flow
Duty Cycle
- Controls
Power On/Off
RF Standby/On
Fault Reset
Local/Remote
- Ease of Maintenance
- Designed to meet the safety requirements of IEC-348 and Underwriters Laboratory of American Standards
- Broadband Coverage

- EMC Susceptibility Testing
- Radar Systems/Simulators
- General Laboratory Instrumentation
- System Amplifiers
- Threat Simulation
- Antenna Pattern Testing
- High Power Component Testing

Logimetrics





A710 SERIES

Model Number	Frequency Range (GHz)	Min Pwr Out* (Kw)	Min Sat Gain* (dB)	Max NF (dB)
A710/L	0.7-1.0	0.5	30	35
	1.0-2.0	1.0	30	35
A710/S	2.0-4.0	1.0	35	35
A710/EH	2.0-2.5	0.5	35	35
	2.5-8.0	1.0	35	35
A710/EHX	2.0-8.0	1.0	35	35
A710/C	4.0-8.0	1.0	35	35
A710/X	8.0-12.4	1.0	40	35
A710/U	12.4-18.0	1.0	40	35
A710/IJ	8.0-18.0	1.0	40	45

*Higher output power and gains available

Spurious: -40dBc (-50dBc available)
 In/Out Impedance: 50 Ohms
 In/Out VSWR: 2.5:1 Maximum
 Duty Cycle: 2%
 Pulse Width: 100nSec to 10 microsec
 Pulse Rate: 20kHz maximum (3)
 Pulse Rise Time: 35nSec maximum
 Pulse Fall Time: 35nSec maximum
 Pulse Trigger: +5V into 50 Ohms, RF on (2)
 RF Trigger Delay: 250nSec (2)

RF Connectors:

Frequency	Input	Output	Trigger
1.0-8.0	Type N	Type N	BNC
8.0-12.4	Type N	WR90	BNC
12.4-18.0	Type N	WR62	BNC
8.0-18.0	Type N	WRD750	BNC
Location:	Front Panel	Front Panel	Front panel

115 VAC, ±10%, Single phase, 50/60 Hz, 1KVA maximum

Dimensions: 14" (356mm) Hx17"(432mm) Wx25" (635mm)D Rack Mount

Weight: 130 pounds maximum (59 kg)

Cooling: Internal Forced Air

Air Intake		Air Exhaust
Front panel		Rear panel

Standard: Operating mode control and status monitoring via dedicated circuits.

Operating Temperature: 0-50 °C (40 °C @ 10,000 Feet)
 Relative Humidity: 95% (noncondensing)
 Operating Altitude: 10,000 feet maximum
 NonOperating Temp.: -20 to 70 °C
 NonOperating Altitude: 50,000 feet maximum

- Option 04-XX Alternate Prime Power (2)
 - Option 07-3 Input Pin Diode Pulse Modulator with 40dB Isolation; 15ns rise/fall times (1)
 - Option 09 Integral Input Isolator (1)
 - Option 10 Relay Remote
 - Option 10-1 IEEE-488 GPIB Remote
 - Option 12 RF sample of the output (-50dBc) (1)
 - Option 13 Chassis Slides for 19" Rack Mounting
 - Option 14 Internal Preamp for rated power @ less than 0 dBm input
 - Option 15 Input Attenuator; 20dB range (1)
 - Option 16 Remote Control Panel
 - Option 18 RF Input/Output Connectors on the Rear Panel
- Other options available (2)

NOTES
 (1)Option may effect rated output power and gain
 (2)Consult factory for features and other functions
 (3)Limited to the maximum pulse rate, duty cycle, and pulse width
 Specifications subject to change without notice



Warranty: One full year from date of shipment non-prorated for both the TWT and power supply.