



E&I 2500L POWER AMPLIFIER

500 Watts RF Power for:

- Driving Ultrasonic Transducers
- Testing
- Laboratory Applications



Featuring:

- 50 kHz – 12 MHz
- 500W Linear Power
- Power Measurement
 - Forward & Reflected
- Instantaneous Bandwidth
- Solid State Reliability



Rev. D (May 2025)

E&I 2500L Specifications*

Class of Operation:	Class A
Frequency Coverage:	50 kHz – 12 MHz
Rated Power:	500 Watts P1dB Compression
Saturated Power:	800 Watts
Power Gain:	60 dB nominal
Gain Flatness:	+/- 2 dB
Input Power for Rated Pout:	0.5 mW Max
Input Impedance / VSWR:	50 Ω / 1.5:1 maximum
Output Impedance / VSWR:	50 Ω / 2:1 maximum
Harmonic Level:	< -26dBc @ 500W Pout
Ruggedness:	∞ :1 VSWR
Stability:	Unconditional into any passive or reactive load
Protection:	Unit will withstand input signal of +13 dBm without damage (1.0 V rms) max.
Third Order Intercept:	IP3 ~ 63 dBm
AC Input:	200-240 VAC 30Amps Max
Temperature Range:	0° – 40° C
Cooling:	Forced Air
Dimensions (H x W x D):	24.75 x 20 x 16.5 Inches 629 x 510 x 419 mm
Weight:	190lbs (90 Kg)
Connectors:	Type N
RF Input Signal:	AM, FM, SSB, Pulsed



*Subject to change without notice