

Test Equipment Solutions Datasheet

Test Equipment Solutions Ltd specialise in the second user sale, rental and distribution of quality test & measurement (T&M) equipment. We stock all major equipment types such as spectrum analyzers, signal generators, oscilloscopes, power meters, logic analysers etc from all the major suppliers such as Agilent, Tektronix, Anritsu and Rohde & Schwarz.

We are focused at the professional end of the marketplace, primarily working with customers for whom high performance, quality and service are key, whilst realising the cost savings that second user equipment offers. As such, we fully test & refurbish equipment in our in-house, traceable Lab. Items are supplied with manuals, accessories and typically a full no-quibble 2 year warranty. Our staff have extensive backgrounds in T&M, totalling over 150 years of combined experience, which enables us to deliver industry-leading service and support. We endeavour to be customer focused in every way right down to the detail, such as offering free delivery on sales, covering the cost of warranty returns BOTH ways (plus supplying a loan unit, if available) and supplying a free business tool with every order.

As well as the headline benefit of cost saving, second user offers shorter lead times, higher reliability and multivendor solutions. Rental, of course, is ideal for shorter term needs and offers fast delivery, flexibility, try-before-you-buy, zero capital expenditure, lower risk and off balance sheet accounting. Both second user and rental improve the key business measure of Return On Capital Employed.

We are based near Heathrow Airport in the UK from where we supply test equipment worldwide. Our facility incorporates Sales, Support, Admin, Logistics and our own in-house Lab.

All products supplied by Test Equipment Solutions include:

- No-quibble parts & labour warranty (we provide transport for UK mainland addresses).
- Free loan equipment during warranty repair, if available.
- Full electrical, mechanical and safety refurbishment in our in-house Lab.
- Certificate of Conformance (calibration available on request).
- Manuals and accessories required for normal operation.
- Free insured delivery to your UK mainland address (sales).
- Support from our team of seasoned Test & Measurement engineers.
- ISO9001 quality assurance.

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550 L

ENI BROADBAND POWER AMPLIFIER

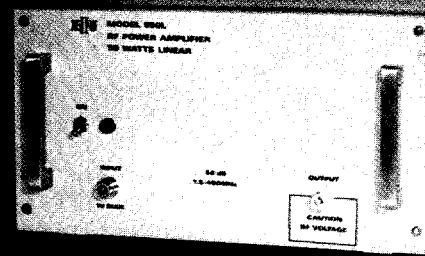
DESCRIPTION

The ENI Model 550L is an extremely wideband high power, solid state, Class A linear amplifier. Rated at 50W from 1.5-400MHz the unit can provide over 100 Watts from 1.5-220MHz. The flat 50dB gain allows the unit to provide maximum output when driven by any standard signal or sweep generator. The ultra linear design capability insures faithful reproduction of the output waveform for AM, FM, SSB, TV, pulse or other complex modulations with all harmonic distortion greater than 25dB below the fundamental at full rated power. Unconditional stability and instantaneous failsafe provisions in the amplifier provide absolute protection from damage due to transient or overload conditions.

The high degree of versatility designed into this unit is exemplified by the numerous applications such as; RFI/EMI susceptibility, plasma generation, NMR/ENDOR, superconducting NMR, linear accelerator driver, laser modulation, communication transmitter, power meter calibration and general laboratory instrumentation.

SPECIFICATIONS

Frequency Coverage:	1.5 to 400MHz	Output VSWR:	2.5:1 Maximum
Gain:	50 dB nominal	Noise Figure:	12 dB Typical
Gain Variation:	±1.5 dB from 1.5 to 400 MHz	Stability:	Unconditionally stable. Unit will not oscillate for any conditions of load and source impedance.
Maximum Linear Power Output:	50 Watts	Protection:	Unit will withstand a +16 dB overdrive (input signal of 1 VRMS) for all output load conditions including short and open circuit loads.
CW & Pulse Power Output:	100 Watts, 1.5-220MHz	Power Requirements:	115VAC ±8% 50/60Hz, 12 amp. 230VAC ±8% 50/60Hz, 6 amp.
Harmonic Distortion:	All harmonics greater than 25 dB down at maximum linear power output, lower at reduced power.	Operating Temperature:	0° to 45° C
Typical 3rd Order Intermodulation Intercept Point:	+59 dBm	Size:	15½ x 19¾ x 8½ in. 39.4 x 50.2 x 21.6 cm.
Input/Output Impedance:	50 ohms	Weight:	59 lbs; 26.8 kg.
Input VSWR:	1.8:1 Maximum	Connectors:	Type N



- All Solid State
- Flat 1.5 to 400 MHz
- 50 Watts Linear Power
- 100 Watts, CW and Pulse to 220 MHz
- No Bandswitching
- Works into Any Load Impedance
- Failsafe