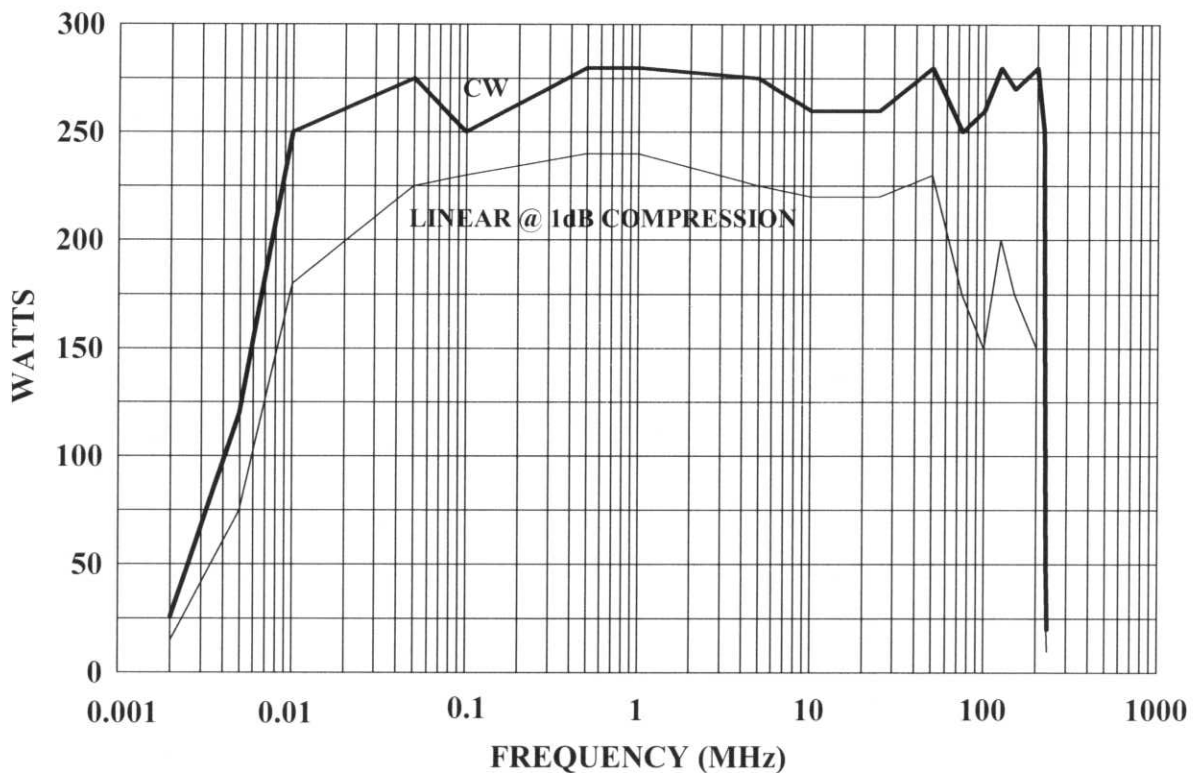


The Model 150L is a self-contained, forced air cooled broadband amplifier that features instantaneous bandwidth, high gain, and moderate power output. Designed for laboratory applications, this highly versatile and reliable amplifier employs the latest design technology in its solid state, field effect low power stages and vacuum tube final amplifier. Housed in a stylish, contemporary enclosure, the model 150L is a bench top unit which weighs considerably less than competitive amplifiers. All operating controls are functionally grouped on the front panel to simplify operator use. These controls include modern, lighted push-button switches for command functions POWER, STANDBY, and OPERATE, as well as a control for setting the output level of the amplifier.

150L TYPICAL POWER OUTPUT



SPECIFICATIONS

Model 150L

POWER OUTPUT, CW

Nominal.....	250 watts
Minimum.....	200 watts
Linear @ 1dB Compression.....	150 watts minimum

FLATNESS..... ± 1.5 dB

FREQUENCY RESPONSE 10 kHz - 220 MHz instantaneously

INPUT FOR RATED OUTPUT..... 1.0 milliwatt maximum

GAIN (at maximum setting)..... 52 dB minimum

GAIN ADJUSTMENT (continuous range)..... 18 dB minimum

INPUT IMPEDANCE..... 50 ohms, VSWR 1.5:1 maximum

OUTPUT IMPEDANCE 50 ohms, VSWR 2.0:1 maximum

MISMATCH TOLERANCE*..... 100% at rated power without foldback. Will operate without damage or oscillation with any magnitude and phase of source and load impedance.

MODULATION CAPABILITY..... Will faithfully reproduce AM, FM, or pulse modulation appearing on the input signal

HARMONIC DISTORTION (AT 150 WATTS)

Below 130 MHz.....	Minus 15 dBc maximum
Above 130 MHz.....	Minus 30 dBc maximum

THIRD ORDER INTERCEPT POINT..... 60 dBm typical

BLANKING CHARACTERISTICS

Signal (into 180 ohms).....	Plus or minus 2.5 to 6.0 VDC
Delay time	
Signal on to RF off.....	5 microseconds maximum
Signal off to RF on.....	20 microseconds maximum
RF Rise Time.....	10 nanoseconds

PRIMARY POWER..... 100/110/120/200/208/220/240 \pm 5% VAC
(select via internal taps) 50/60 Hz, single phase
2500 watts maximum

CONNECTORS

RF input.....	Type BNC female
RF output.....	Type N female
Gating/Blanking.....	Type BNC female

COOLING..... Forced air (self contained fans)

WEIGHT..... 64 kg (140 lb)

SIZE (WxHxD)..... 50.3 x 38.6 x 46.0 cm
(19.8 x 15.2 x 18.1 in)

* See Application Note #27