

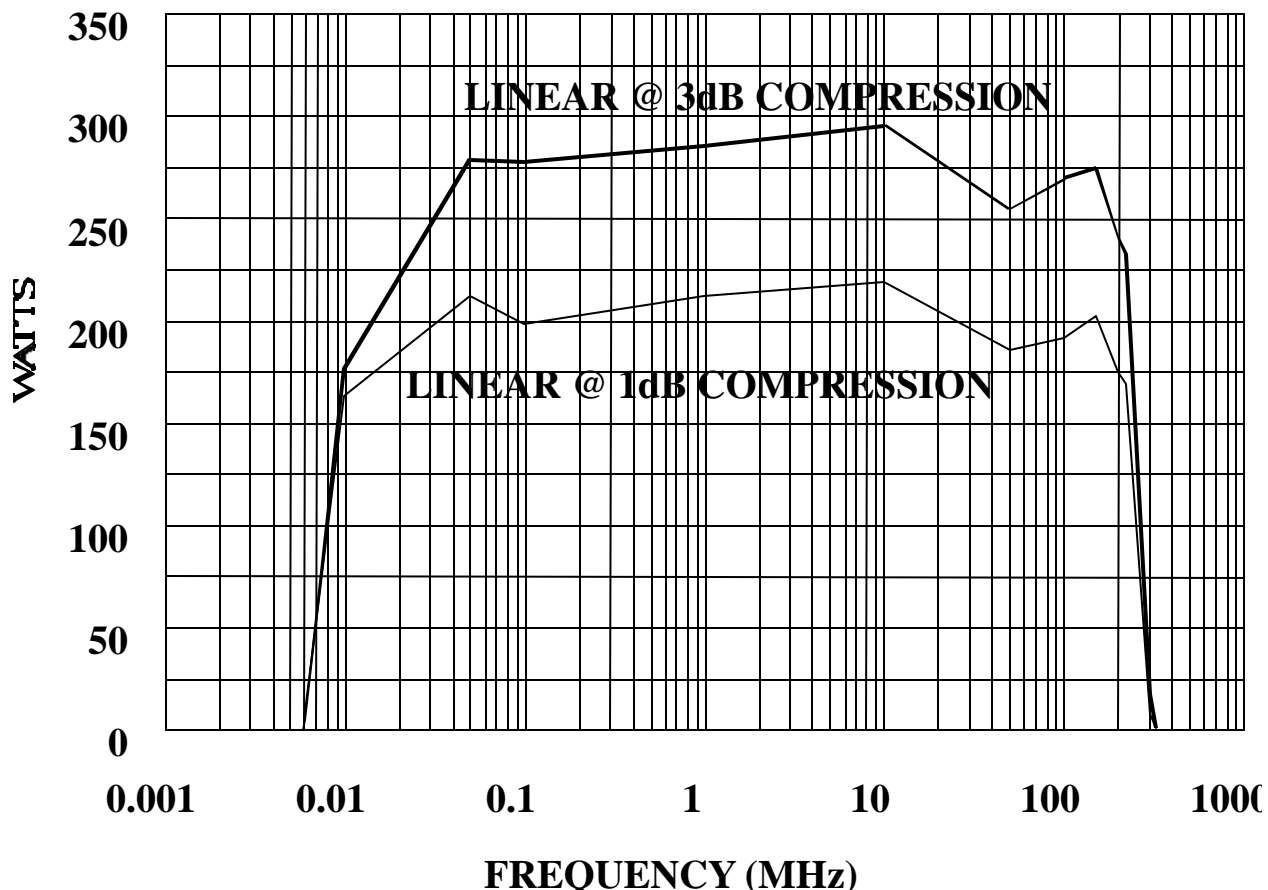


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MODEL 150A220
150 WATTS CW
10kHz – 220 MHz

The Model 150A220 is a completely solid-state, linear broadband amplifier for laboratory applications requiring instantaneous bandwidth, high gain and moderate power. Housed in a stylish laboratory type cabinet, the 150A220 incorporates the latest in MOSFET design, with complete thermal and over current protection and total mismatch tolerance. Computer control is available using the remote control capability provided by our CP2001 and CP3000 accessories.

150A220 TYPICAL POWER OUTPUT



SPECIFICATIONS

Model 150A220

RATED OUTPUT POWER	150 watts
INPUT FOR RATED OUTPUT	1.0 milliwatt maximum
POWER OUTPUT @ 3dB COMPRESSION	
<i>Typical</i>	250 watts
<i>Minimum</i>	150 watts
POWER OUTPUT @ 1dB COMPRESSION	
<i>Typical</i>	200 watts
<i>Minimum</i>	150 watts
FREQUENCY RESPONSE	10 KHz - 220 MHz instantaneously
GAIN (at maximum setting)	53 dB minimum
FLATNESS	±1.5 dB max.
GAIN ADJUSTMENT (continuous range)	18 dB minimum
INPUT IMPEDANCE	50 ohms, VSWR 1.5:1 max.
OUTPUT IMPEDANCE	50 ohms, VSWR 2.5:1 max.
MISMATCH TOLERANCE*	100% of rated power without damage, foldback, shutdown or oscillation with any magnitude and phase of source and load impedance at rated output power.
MODULATION CAPABILITY	Will faithfully reproduce AM, FM, or pulse modulation appearing on the input signal
HARMONIC DISTORTION	Maximum at 150 watts output -20 dBc 10 kHz - 125 MHz -30 dBc 125 MHz - 250MHz
THIRD ORDER INTERCEPT POINT	60 dBm, typical
RF RISE TIME (10% to 90%)	3 nanoseconds maximum
PRIMARY POWER (specify one)	100 - 120 and 200 - 240 VAC ±5% 50/60 Hz, single phase 1500 watts maximum
CONNECTORS	
RF input	Type N female
RF output	Type N female on rear panel
Remote control	25 Pin subminiature D
COOLING	Forced Air (internal fans)
WEIGHT (excludes cabinet)	47kg (105 lbs)
SIZE (WxHxD) (excludes cabinet)	50.7 x 34.0 x 55.0 cm (19.8 x 13.3 x 21.5 in)