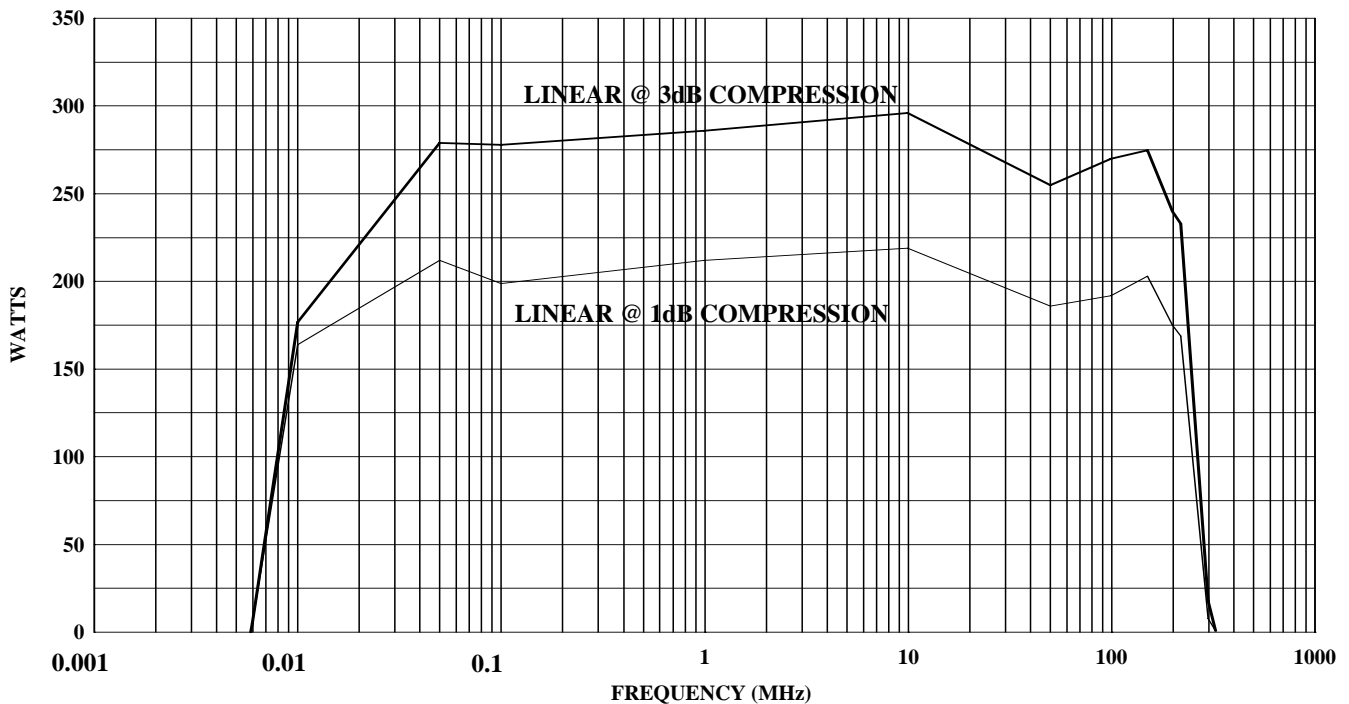




**Model 150A220,
M1 through M7
150 Watts CW
10kHz-220MHz**

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	
Typical.....	250 watts
Minimum	150 watts
POWER OUTPUT @ 1dB COMPRESSION	
Typical.....	200 watts
Minimum	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 nominal
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 - 220MHz
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	See Model Configurations
RF output	See Model Configurations
Remote control.....	25 Pin subminiature D
COOLING.....	Forced Air (internal fans)

MODEL CONFIGURATIONS

Model Number	RF Input	RF Output	Weight	Size (W x H x D)
150A220	Type BNC female, front	Type N female, front	47 kg (105 lb)	50.7 x 34.0 x 55.0 cm 19.9 x 13.3 x 21.5 in
150A220M1	Same as 150A220 with enclosure removed for rack mounting.		34 kg (75 lb)	48.3 x 31.2 x 52.3 cm 19.0 x 12.3 x 20.6 in
150A220M2	See separate specification sheet.			
150A220M3	See separate specification sheet.			
150A220M4	Same as 150A220M6 with enclosure removed for rack mounting.		34 kg (75 lb)	48.3 x 31.2 x 52.3 cm 19.0 x 12.3 x 20.6 in
150A220M5	See separate specification sheet.			
150A220M6	Type BNC female, rear	Type N female, rear	47 kg (105 lb)	50.7 x 34.0 x 55.0 cm 19.9 x 13.3 x 21.5 in
150A220M7	See separate specification sheet.			