

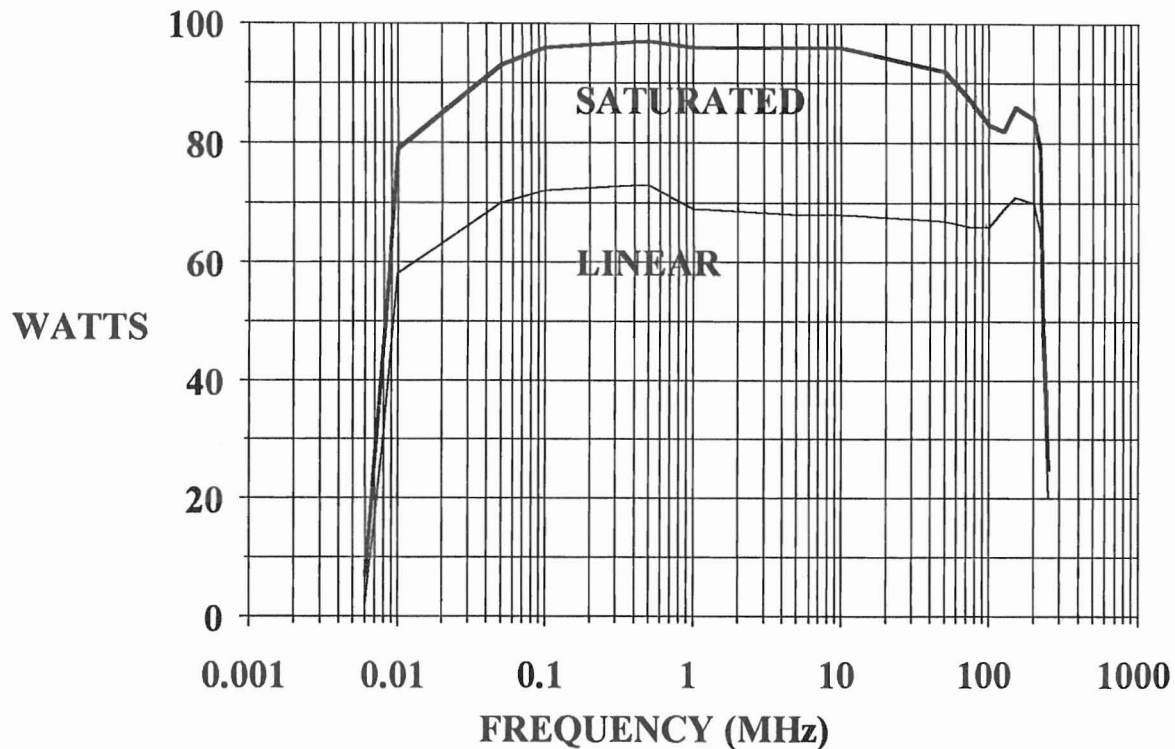


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MODEL 75A220
75 WATTS CW
10 kHz - 220 MHz

The Model 75A220 is a self-contained, broadband amplifier for laboratory applications requiring instantaneous bandwidth, high gain, and moderate power output. This amplifier is packaged in a small, stylish laboratory type cabinet and is ideal for applications such as RF susceptibility testing, antenna and component testing, wattmeter calibration and as a driver for higher amplifiers. The unit also features a front panel gain control which permits the operator to conveniently set the desired power output level.

75A220 TYPICAL POWER OUTPUT



REV050694

SPECIFICATIONS

Model 75A220

POWER OUTPUT, CW SATURATED	75 watts minimum
POWER OUTPUT, CW LINEAR	50 watts minimum at less than 1.0 dB gain compression
FLATNESS	±1.0 dB
FREQUENCY RESPONSE	10 kHz - 220 MHz instantaneously
INPUT FOR RATED OUTPUT	1.0 milliwatt maximum *
GAIN (at maximum setting)	49 dB minimum
GAIN ADJUSTMENT (continuous range)	18 dB minimum
INPUT IMPEDANCE	50 ohms, VSWR 1.5:1 maximum
OUTPUT IMPEDANCE	50 ohms, nominal
MISMATCH TOLERANCE	100%, will operate without damage, foldback, shutdown 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	Minus 20 dBc maximum at 50 watts
THIRD ORDER INTERCEPT POINT	57 dBm typical
PRIMARY POWER	100/110/120/200/220/240±5% VAC
(select via internal taps)	50/60 Hz, single phase 600 watts maximum
RF CONNECTORS	Type BNC female
COOLING	Forced air (self contained fans)
WEIGHT	10.2 kg (25 lb)
SIZE (WxHxD)	36.8 x 16.5 x 20.3 cm 14.5 x 6.5 x 8.0 in