

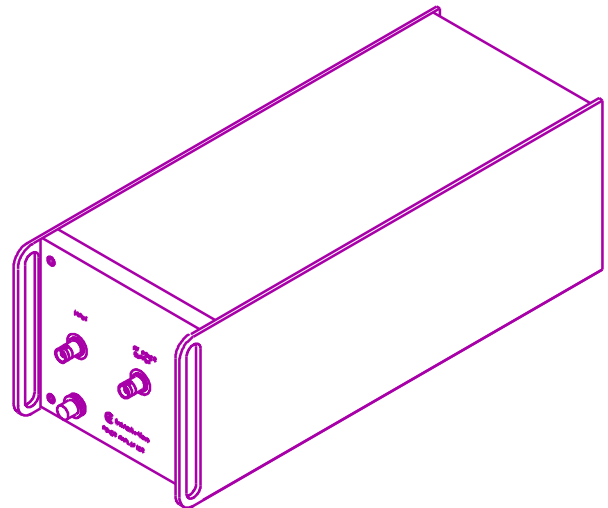
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## MODEL PA-4 RF POWER AMPLIFIER

### DESCRIPTION

The Model PA-4 is a linear class A broadband RF power amplifier capable of four watts power output over the frequency range of 10 MHz to 100 MHz. The amplifier includes the power supply, RFI line filter, and line switch.

It can be used to increase the RF power capability of laboratory signal generators, sweep generators, frequency synthesizers, and other signal sources. The Model PA-4 can also be used to drive acousto-optic modulators, deflectors, and mode lockers. It can also be used for antenna and component testing, for line drivers in signal distribution networks, and for RFI/EMI testing.



### SPECIFICATIONS

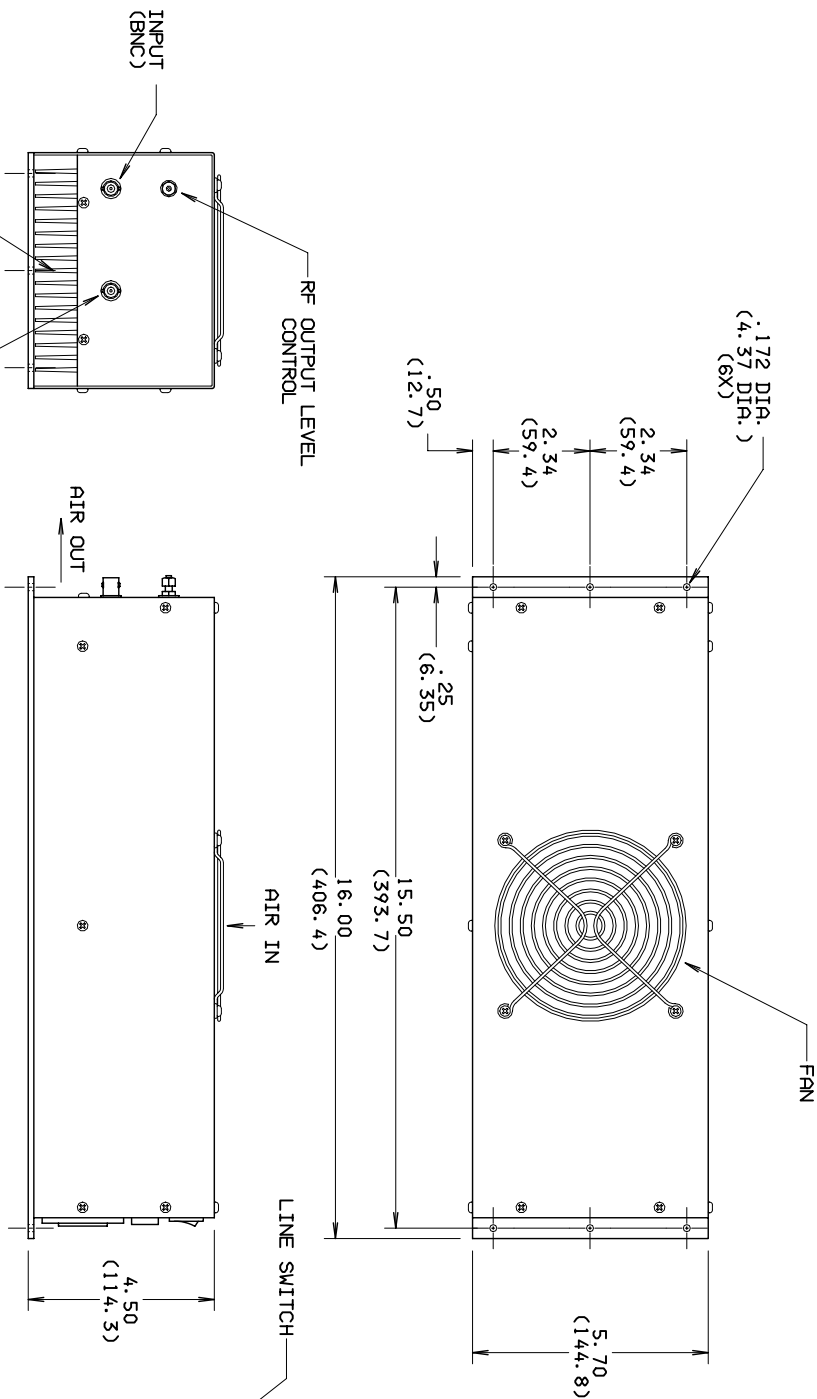
Operation	Class A
Frequency Range	10 MHz to 100 MHz
Power Output	4 watts CW (+36 dBm) into 50 ohms
Flatness	1 dB at 4 watts
Power Gain	40 dB minimum
Input Impedance	50 ohms, VSWR 1.5:1 max.
Output Impedance	50 ohms, VSWR 2.0:1 max.
Harmonic Distortion	Minus 20 dBc maximum at 4 watts
Intermodulation Distortion	IM products minus 25 dBc at 2 watts
Noise Figure	8 dB typical
Mismatch Tolerance	100 percent
RF Connectors	BNC
Primary Power	115/230 VAC, 50/60 Hz
Weight	8 Lbs (3.7 Kg)
Size	12.5 D x 5.0 W x 5.5 H inches 31.8 D x 5.1 W x 5.5 H cm

ENG210B

REVISIONS

ISSUE	DESCRIPTION	APPD./DATE
ORIGINAL	GJK 02-07-94	JL

ALL REVISIONS TO THIS DRAWING  
MUST BE MADE ON THE CAD SYSTEM



LINE VOLTAGE:  
STANDARD: 115/230 VAC, 50-60 Hz.  
OPTION J: 100 VAC, 50-60 Hz.

UNLESS OTHERWISE SPECIFIED TOLERANCES AND DIMENSIONS ARE IN INCHES		APPROVED DATE	IntraAction Corp. 3719 WARREN AVE. BELLWOOD, IL 60104 PHONE (708) 547-6644	
LINEAR : ±.010 (XX.X)=mm		CHECKED DATE		
ANGULAR ± / DIAMETERS ± / LIMITS APPLY BEFORE FINISHING DO NOT SCALE THIS PRINT		DRAWN DATE	PA-SERIES HIGH POWER RF AMPLIFIER OUTLINE	
MATERIAL		GJK 02-07-94		
FINISH			FSCM NO. B DWG. NO. PA-SERIES ISSUE	
MFG. INSTR.				
D.C. INSTR.			SCALE UNIT WEIGHT SHEET 1 OF 1	