# IntraAction Corp. QUALITY PRODUCTS FOR LASER TECHNOLOGY

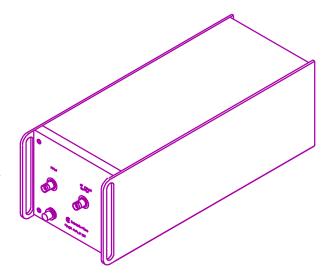
### **ELECTRONICS**

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## MODEL PA-8 SERIES HIGH POWER RF POWER AMPLIFIER

#### **DESCRIPTION**

The Model PA-8 Series Amplifiers are linear class AB broadband RF power amplifiers capable of from 10 to 100 watts power output over the frequency range of 5 MHz to 120 MHz. The amplifier includes the power supply, RFI line filter, line switch, and interlock circuit. 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-8 Series Amplifiers can also used to drive acousto-optic modulators, frequency shifters, 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. The fault/interlock circuit will latch the power supply off, when an open circuit condition is present at the interlock input BNC, and can be connected to the thermal switch of a high



power acousto-optic device or in a normally closed interlock circuit.

### **SPECIFICATIONS**

Operation Class AB

Power Gain 52 dB minimum

Harmonic Distortion -20 dBc at maximum output

Intermodulation Distortion IM products -25 dBc

Input Impedance 50 ohms, VSWR 1.5:1 max.

Output Impedance 50 ohms, VSWR 2.0:1 max.

Noise Figure 8 dB typical
Mismatch Tolerance 100 percent

RF Connectors

BNC

Primary Power 115/230 VAC, 50/60 Hz

Flatness 1 dB at rated output

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

 MODEL
 PA-20100-8
 PA-4030-8
 PA-4050-8
 PA-10025-8

 Frequency Range
 5 - 30 MHz
 20 - 60 MHz
 20 - 60 MHz
 80 - 120 MHz

 Output Power Capability
 100 watts
 30 watts
 50 watts
 25 watts