The 1200-88 IF Amplifier is a dual channel amplifier each providing manual gain control (MGC) for a 0.1 to 100 MHz IF signal for a -50 to 0 dBm input signal. The gain can be manually adjusted from -25 to +25 dB for up to a +10 dBm output. The 1200-88 has a band limiting lowpass filter. Multi-function push button switches select the gain of each channel (-25 to +25 dB, selectable in 1 dB steps) and the settings appear on the LCD display. Front panel LEDs light when DC power is applied (green) or the output level exceeds +13 dBm (red). Connectors are BNC female for IF input and output. A DB9 connector provides indication and remote control of gain via a 9600 baud, RS232C interface. The 1200-88 is powered by a 100-240 ±10% VAC switching power supply and is housed in a 1RU x 16” deep chassis.

### Equipment Specifications (each amp)*

**Input Characteristics**
- Impedance: 50Ω
- Return Loss: 18 dB
- Frequency: 0.1 to 100 MHz
- Input Level range: -50 to 0 dBm
- Input 1 dB comp.: +5 dBm @ min gain

**Output Characteristics**
- Impedance: 50Ω
- Return Loss: 18 dB
- Output Level: +10 dBm, max.
- Output 1 dB comp.: +15 dBm

**Channel Characteristics**
- Gain: -25 to +25 dB (Front Panel Adjustable)
- Frequency Response: ±1.0 dB, 0.1-100 MHz; ±0.5 dB, any 20 MHz segment
- Group Delay, max: ±2 ns, max 0.1 to 100 MHz

**Controls/Indicators**
- Level Adjust: pushbutton switches or REMOTE; setting shown on LCD display; Set to -25 to +25 dB (+10 dBm max out)
- Level Peak: Red LED lights when output level exceeds +13 dBm
- Power, Remote, Alarm: Green LED, Yellow LED, Red LED

**Other**
- IF Connectors: BNC (female)
- Alarm/Control Connector: DB9 - NO or NC contact closure on Alarm; M&C 9600 Baud, RS232C
- Size: 19” standard 1 RU chassis 1.75” high X 14.0” deep
- Power: 100-240 ±10% VAC, 47-63 Hz, 30 W max.

*+10°C to +40°C; 2000 meters max elevation; 80% max humidity; Specifications subject to change without notice*