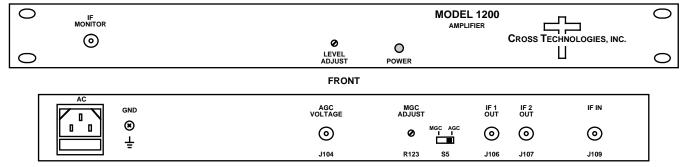


1200-07 IF AGC Amplifier

The 1200-07 IF Amplifier provides automatic gain control (AGC) for a 50 to 200 MHz IF signal. It takes a -80 to 0 dBm input signal and automatically adjusts the gain for a -35 dBm ± 10 dB output. The 1200-07 has a band limiting lowpass filter. It also has capabilities to switch between automatic gain control (AGC) or manual gain control (MGC). A potentiometer on the rear panel allows for manual gain adjustment when in MGC mode. The 1200-07 is powered by a 100-240 ±10% VAC switching power supply and is housed in a 1RU x 14" deep chassis.



REAR Front and Rear Panels

EQUIPMENT SPECIFICATIONS*

Input Characteristics

Impedance/Return Loss Frequency Input Level range Input 1 dB comp.

50Ω/18 dB 50 to 200 MHz -80 to 0 dBm +5 dBm

 $50 \Omega / 12 dB$

Green LED

-35 ± 10 dBm

-35 to +35 dB (AGC)

± 5 ns, max 50 to 100 MHz

± 1.0 dB, ± 18 MHz

Output Characteristics

Impedance/Return Loss **Output Level**

Channel Characteristics

Gain **Frequency Response** Group Delay, max

Controls/Indicators

AGC/MGC Switch MGC Potentiometer AGC Voltage DC Power

<u>C</u>

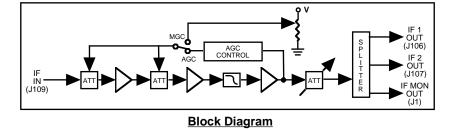
BNC (female)
19 inch standard 1RU chassis 1.75"high X 14.0" deep
100-240 ±10% VAC, 47-63 Hz, 30 W max.

Controls manual gain in MGC mode

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

Switches between Manual (MGC) or Automatic (AGC) Gain control

Allows for monitoring of the AGC gain (BNC female connector)



Request A Quote