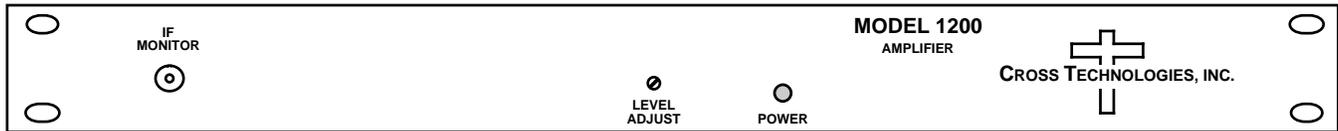
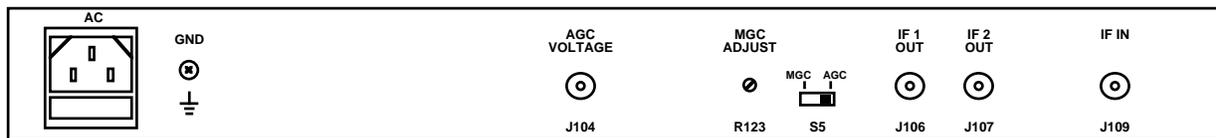


## 1200-07 IF AGC Amplifier

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  $\pm$  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  $\pm$ 10% VAC switching power supply and is housed in a 1RU x 14" deep chassis.



FRONT



REAR

**Front and Rear Panels**

### EQUIPMENT SPECIFICATIONS\*

#### Input Characteristics

Impedance/Return Loss 50 $\Omega$ /18 dB  
 Frequency 50 to 200 MHz  
 Input Level range -80 to 0 dBm  
 Input 1 dB comp. +5 dBm

#### Output Characteristics

Impedance/Return Loss 50  $\Omega$  /12 dB  
 Output Level -35  $\pm$  10 dBm

#### Channel Characteristics

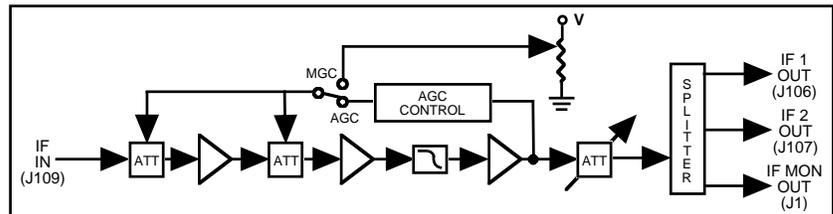
Gain -35 to +35 dB (AGC)  
 Frequency Response  $\pm$  1.0 dB,  $\pm$  18 MHz  
 Group Delay, max  $\pm$  5 ns, max 50 to 100 MHz

#### Controls/Indicators

AGC/MGC Switch Switches between Manual (MGC) or Automatic (AGC) Gain control  
 MGC Potentiometer Controls manual gain in MGC mode  
 AGC Voltage Allows for monitoring of the AGC gain (BNC female connector)  
 DC Power Green LED

#### Other

IF Connectors BNC (female)  
 Size 19 inch standard 1RU chassis 1.75"high X 14.0" deep  
 Power 100-240  $\pm$ 10% VAC, 47-63 Hz, 30 W max.



**Block Diagram**

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