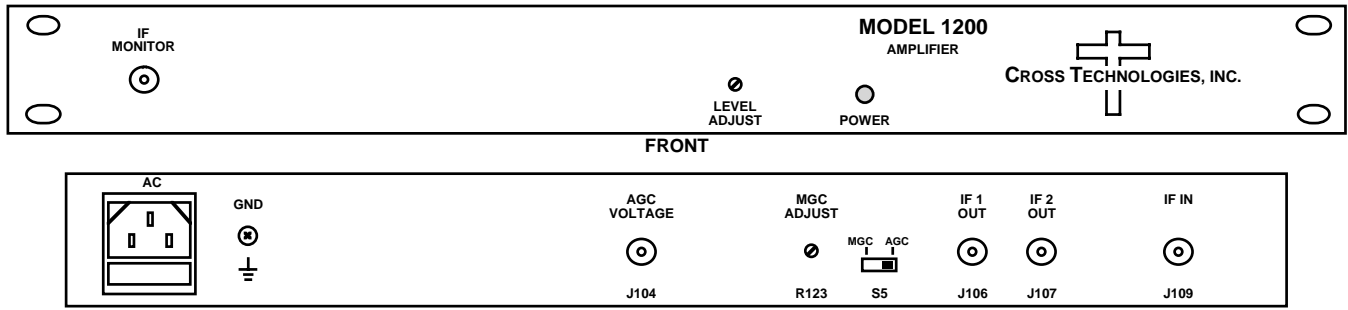


1200-07 IF AGC Amplifier

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 90-260 VAC switching power supply and is housed in a 1RU x 14" deep chassis.



Front and Rear Panels

EQUIPMENT SPECIFICATIONS*

Input Characteristics

Impedance/Return Loss 50Ω/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 Ω /12 dB
 Output Level -35 ± 10 dBm

Channel Characteristics

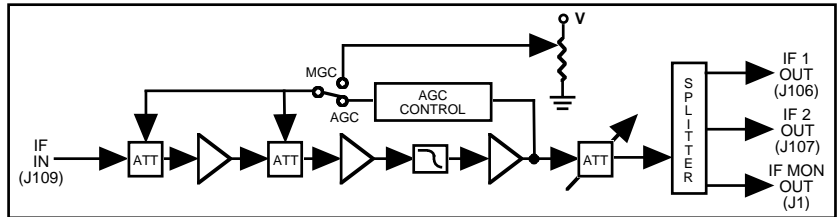
Gain -35 to +35 dB (AGC)
 Frequency Response ± 1.0 dB, ± 18 MHz
 Group Delay, max ± 5 ns, max 50 to 100 MHz

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 90-260 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