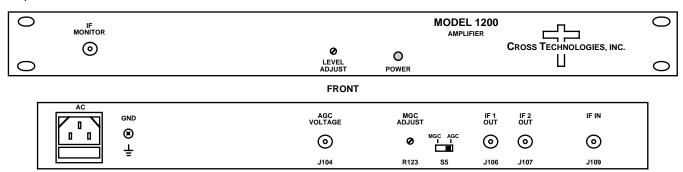


DATA SHEET Rev. B 09/13/2010

# 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.



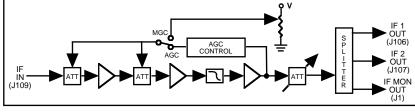
REAR
Front and Rear Panels

## **EQUIPMENT SPECIFICATIONS\***

**Input Characteristics** 

**Output Characteristics** 

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



**Block Diagram** 

#### **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 ±10% VAC, 47-63 Hz, 30 W max.

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