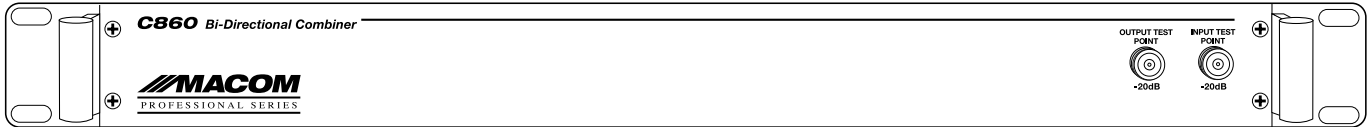
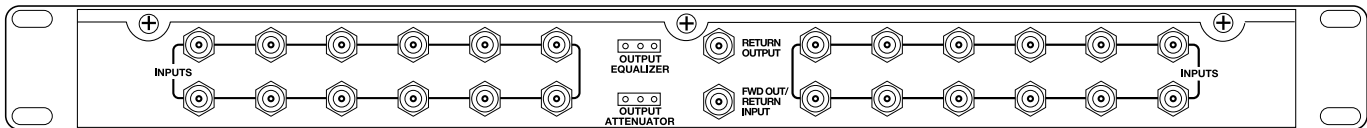




- Broadband 5-1000MHz
- Broadcast quality specifications for unparalleled picture quality
- Built in Return-Path Diplexer
- Sub-band output port provides high isolation VHF/UHF ingress-free return path for CMTS and remote audio/video application
- >18dB return loss provides reduced reflections for exceptional digital signal performance
- Directional coupler design provides improved carrier-to-noise, system performance and picture quality
- High -50dB port to port isolation provides spurious carrier rejection and minimizes undesired channel interaction, thereby reducing picture distortion
- Passive design allows bi-directional flexibility for two-way digital and analog requirements
- Plug-in equalizers and attenuators (included) enable uniform gain and slope system balancing for minimum distortion
- -20dB test port provides convenient access for headend testing and system monitoring



Front Panel



Rear Panel

### RF Output

<b>Frequency Range (fwd)</b>	54-1000MHz
<b>Frequency Range (rev)</b>	5-42MHz
<b>Isolation 54-1000MHz</b>	
Adjacent	> 40dB
Opposing	> 50dB
<b>Return Loss</b>	-18dB
<b>Impedance</b>	75
<b>Test Point</b>	-20 ±3dB

### RF Output

<b>Frequency Range</b>		
fwd	54-1000MHz	
rev	5-42MHz	
<b>Insertion Loss</b>		
5-42MHz	1.8dB min	
54-550MHz	28dB min	
551-1000MHz	31dB min	
<b>Flatness</b>		
5-42MHz	±0.5dB	
54-550MHz	±1.0dB	
551-1000MHz	±1.5dB	
<b>Return Loss</b>	-18dB	
<b>Impedance</b>	75	
<b>Test Point</b>	-20 ±3dB	

### General

<b>Dimensions</b>	19"(L) x 12"(D) x 1.75"(H)
<b>Weight</b>	3.8 lbs.
<b>Connectors</b>	"F" type

### Ordering Information

**C860**      Bi-Directional Combiner

### Related Products

<b>MACOM-AT06</b>	Plug-in Attenuator	<b>A860</b>	Agile Modulator
<b>MACOM-AT09</b>	Plug-in Attenuator	<b>A860S</b>	Agile Stereo Modulator
<b>MACOM-AT12</b>	Plug-in Attenuator	<b>F860</b>	Channel Fixed Modulator
<b>MACOM-AT16</b>	Plug-in Attenuator	<b>F860S</b>	Channel Fixed Stereo Modulator
<b>MACOM-EQ06</b>	Plug-in Equalizer	<b>L860</b>	Bi-Directional Launch Amplifier
<b>MACOM-EQ09</b>	Plug-in Equalizer		
<b>MACOM-EQ12</b>	Plug-in Equalizer		
<b>MACOM-EQ16</b>	Plug-in Equalizer		