

# C860

## Bi-Directional Combiner



C860  
(front view)

### Features

- Broadband 5-1000 MHz
- 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
- >18 dB return loss provides reduced reflections for exceptional digital signal performance
- Directional coupler design provides improved carrier-to-noise, system performance and picture quality
- High -50 dB port-to-port isolation provides spurious carrier rejection and minimizes undesired channel interaction, thereby reducing picture distortion
- Passive design allows bi-directional flexibility for 2-way digital and analog requirements
- Plug-in equalizers and attenuators (included) enable uniform gain and slope system balancing for minimum distortion
- -20 dB test port provides convenient access for headend testing and system monitoring



C860 (front view)



C860 (rear view)

## Specifications

### C860

RF INPUT	
FREQUENCY RANGE (Fwd)	54-1000 MHz
FREQUENCY RANGE (Rev)	5-42 MHz
ISOLATION 54-1000 MHz	
ADJACENT	> 40 dB
OPPOSING	> 50 dB
RETURN LOSS	-18 dB
IMPEDANCE	75 Ω
TEST POINT	-20 ± 3 dB
RF OUTPUT	
FREQUENCY RANGE (Fwd)	54-1000 MHz
FREQUENCY RANGE (Rev)	5-42 MHz
INSERTION LOSS	
5-42 MHz	1.8 dB (max)

INSERTION LOSS (cont'd)	
54-550 MHz	28 dB (max)
551-1000 MHz	31 dB (max)
FLATNESS	
5-42 MHz	± 0.5 dB
54-550 MHz	± 1.0 dB
551-1000 MHz	± 1.5 dB
RETURN LOSS	-18 dB
IMPEDANCE	75 Ω
TEST POINT	-20 ± 3 dB
GENERAL	
DIMENSIONS	1.75"H x 19.0"W x 12.0"D (4.45H x 48.26W x 30.48D cm)
WEIGHT	3.8 lbs (1.72 kg)
CONNECTORS	F-Type

## Ordering Information

Part Number	Description
C860	Bi-Directional Combiner

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