



# PHC

Series

## 1 GHz Broadband Passive Headend Combiners



- ▶ **Broadband 165-Channel Range 5-1000 MHz (CATV 2-158, T7-T13)**
- ▶ **Available in 12-channel (PHC12G) or 24-channel (PHC24G) configurations for cost-effective deployment**
- ▶ **Directional coupler design and low insertion loss provide improved carrier-to-noise, system performance and picture quality**
- ▶ **High -30dB port-to-port isolation provides spurious carrier rejection and minimizes un-desired channel interaction, thereby reducing picture distortion**
- ▶ **Passive design allows full bi-directional flexibility for two-way digital and analog requirements**
- ▶ **Ideal as a rack-mounted headend distribution splitter/combiner network**
- ▶ **-20 dB test port provides convenient access for headend testing and system monitoring**

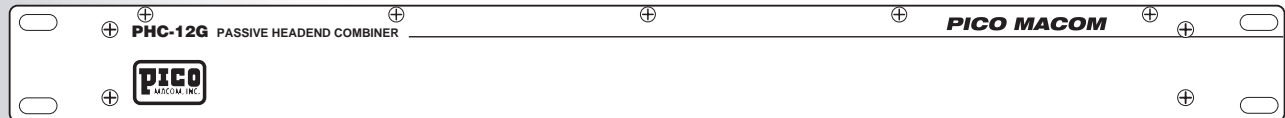
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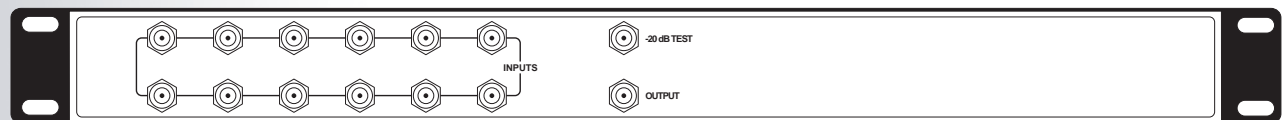
The **Pico Macom PHC12G** and **PHC24G** are professional re-broadcast grade rack-mounted high-isolation passive headend signal combiners available in 12 and 24 channel configurations respectively. These units combine the outputs from multiple modulators and processors into a single common broadband output. The high quality directional coupler design enables high isolation between input ports, providing minimum interaction between digital and/or analog input sources. Also, low insertion-loss ensures optimum carrier-to-noise ratio and superior picture quality. The passive design of the **PHC12G** and **PHC24G** combiners make them ideally suited for bi-directional applications, such as cable modems, remote audio/video origination, or other applications where remote signal origination is returned to the headend. Both units can also serve as high quality rack-mounted high-isolation distribution splitter networks. **Pico Macom** backs up this product with its industry leading 5-year limited warranty.

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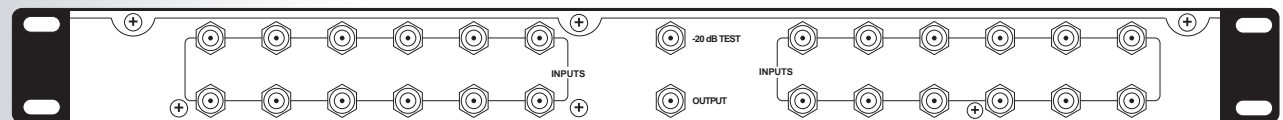
## 1 GHz Broadband Passive Headend Combiners



Front View



Rear View PHC-12G



Rear View PHC-24G

### Specifications

<b>Frequency Range:</b>	5 - 1000 MHz
<b>Port-to-Port Isolation:</b>	
<b>Adjacent Ports</b>	30 dB typical
<b>Opposite Ports</b>	40 dB typical
<b>Insertion Loss:</b>	
<b>PHC-12G</b>	-18 dB typical
<b>PHC-24G</b>	-21 dB typical
<b>Mounting:</b>	19" Rack
<b>Finish:</b>	Black Matte
<b>Dimensions:</b>	19"(L) x 3"(D) x 1 3/4"(H)
<b>Weight:</b>	
<b>PHC-12G</b>	2.5 lbs.
<b>PHC-24G</b>	3.3 lbs.
<b>Connectors:</b>	All "F" type
<b>Test Point:</b>	-20 dB

### Ordering Information

<b>PHC-12G</b>	12 Channel
<b>PHC-24G</b>	24 Channel