



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**

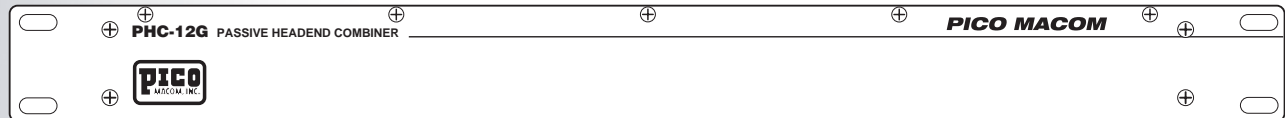
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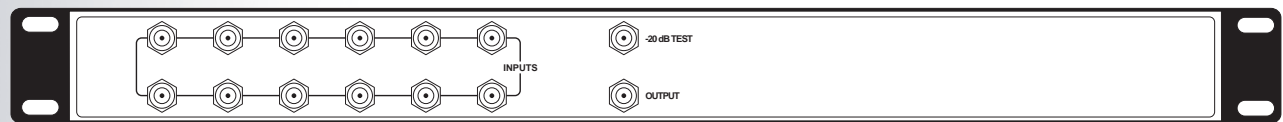
The **Pico Macom PHC12G** and **PHC24G** are professional re-broadcast grade rack-mounted high-isolation passive headend signal combiners available in 12 and 24 channel configurations respectively. These units combine the outputs from multiple modulators and processors into a single common broadband 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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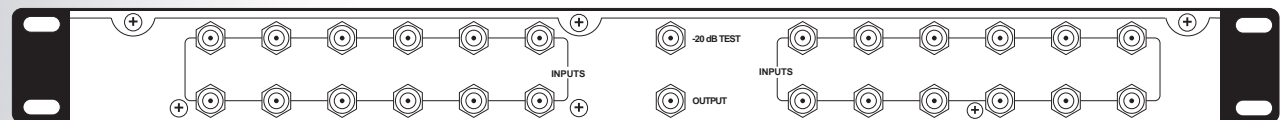
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Front View



Rear View PHC-12G



Rear View PHC-24G

Specifications

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

Ordering Information

PHC-12G	12 Channel
PHC-24G	24 Channel