PCB-116D Dual Passive Combiner

Front Panel View

Rear Panel View

Features & Benefits

As an passive forward path distribution device, the unit provides two 16-way Combiner with 1 Output for each Combiner with an ultra-fiat signal response for in the frequency range 5-1218MHz.

- *Compact & modular active components construction, occupies only 1RU space*
- *Simplifies engineering and architecture design challenges and allows for duplication between sites.*
- *Significantly reduces the use of external jumper cables, rack space, and manpower hours of labor.*
- *Custom designs welcomed.*

THREE YEAR PARTS AND LABOR WARRANTY INCLUDED

*The **PCB-116D** is dual 16-way Broadband Passive Combiner are designed for typical usage within headend and hub site environments. Devices are built within a standard 19" EIA rack, are compact, and using only 1 rack units of space. The unit provides an ultra-flat RF output signal in wide frequency range for distribution RF transport. It is an extremely reliable and cost effective platform and has a very flexible feature set required for today's modern cable TV plant.*

Wide working frequencies band gives ability to use device in both Return and Forward Frequency Bands minimizes necessarily of different units at Headends.

CommDev offer two devices with same configuration. The first PCB-116D has working frequency band 5 –1002MHz and second - PCB-116D.1 with extended band 5-1218MHz.

As a completely passive combining device, the solution allows for architecture design consistency amongst multiple hub sites while saving precious rack space. As an integrated system solution, the units significantly reduce external cabling. Like a fully passive device there are no distortions added to combined signals.

The units are designed for insertion of 16 input signals and deliver them to 1 outputs. Built-in Equalizer provide flat output signal cross working frequency band.

The optional step attenuators can be added to have ability to adjust signal level at each output. This option will has 0.5 - 0.7dB higher insertion loss from Inputs to Output compare original one.

It is common to configure the units to interface with the appropriate input level required by the optical transmitter at that particular site. The system is uniquely configured to allow the introduction of advanced revenue generating services, without disrupting the network or its current content delivery.

Please contact us for additional technical support or product information.

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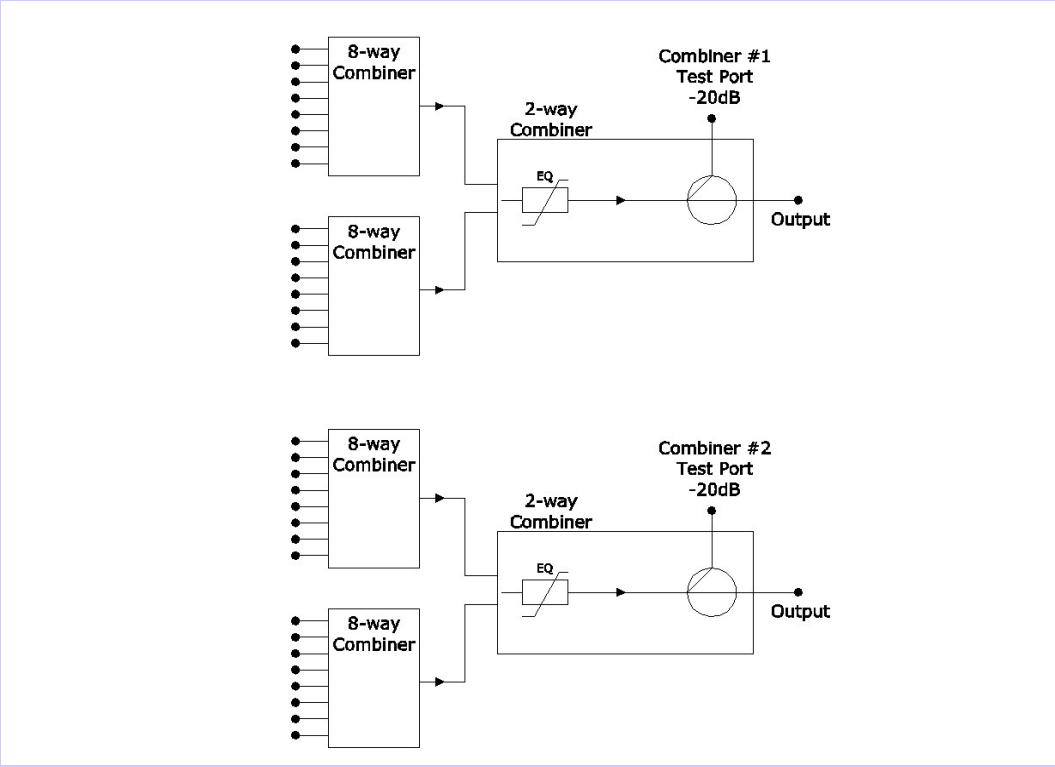

Block **PCB-116 Diagram**

Technical Specifications:

Parameters	*Units*	*Spec*	
		PCB-116D	**PCB-116D.1**
Bandwidth	MHz	5 - 1002	5 - 1218
Number of Independent Combiners per Chassis		2	
Number of Inputs per Each Combiner		16	
Number of Outputs		1	
Insertion Loss Input -Output	dB	17.0±0.5	17.0±0.5
Insertion Loss Flatness	dB	±0.5	
Test Ports	dB	-20.0±0.5	
Return Loss all Ports, min:	dB		
5 -10 MHz		17	
10-1002 MHz		20	
1002 -1218 MHz		-	20
Isolation between Inputs, min	dB	35	30
RFI, min	dB	100	
Dimensions, WxHxD	inch	19x1.75x14	
Weight	lb	4	

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