Passive Combiners

OC Series

❍ Features & Benefits

- -20 dB Test Port
- High Isolation, Low Net Combining Loss
- Rack Mountable - 1 EIA (1.75") Rack Space, (OC-16 is 2 Rack Spaces 3.5")

The OC Series are professional quality, passive output combiners. These units are designed for use in headends to combine the outputs of multiple modulators and processors. The OC Series employs radiation-proof passive components that provide excellent reliablity and performance. Five models are available for combining 8, 12, 16, 24 or 32 inputs. The OC Series features high isolation between ports and a low net combining loss from each of the broadband inputs (5 to 1000 MHz). A 20 dB test port is provided for signal monitoring without disrupting service.

❍ Specifications

RF	OC-8d	OC-12D	OC-16
Number of Inputs:	8	12	16
Frequency Range (MHz):	5-1000	5-1000	5-1000
Flatness - Relative to Slope (dB):	0.4	±0.20	0.4
Slope (dB):	2.75	1.50	2.5
Insertion Loss - Individual Port			
40 to 450 MHz:	11.5	18	24
450 to 1000 MHz (dB):	13	18	26
Isolation - Adjacent Ports			
40 to 450 MHz (dB):	25	38	40
450 to 1000 MHz (dB):	25	38	36
Isolation - Non-Adjacent Ports			
40 to 1000 MHz (dB):	40	65	62
Test Port Level (dB):	-20	-20	-20
Impedance - All Ports (Ω):	75	75	75
Input Return Loss			
40 to 450 MHz (dB):	20	20	18
450 to 1000 MHz (dB):	19	20	16/14
Output Return Loss			
40 to 450 MHz (dB):	20	16	18
450 to 1000 MHz (dB):	19	16	15
Mechanical			
Dimensions (W x H x D):	19.0 x 1.75 x 15.25 in. 483 x 44 x 387 mm		19.0 x 3.5 x 15.25 in. 483 x 89 x 387 mm
Weight:	6.5 lbs.	6.95 lbs.	9.0 lbs.
	2.95 kg	3.18 kg	4.77 kg
Connectors (Rear Panel)			
RF Input & Outputs:	"F" Female		
Connectors (Front Panel)			
Test Port:	"F" Female		

Refer to product instruction manual for additional specification measurements and notes.

❍ Ordering Information

Model	Stock No.	Description
OC-8D	5957	Passive Combiner 5-1000 MHz, 8 Ports
OC-12D	5953	Passive Combiner 5-1000 MHz, 12 Ports
OC-16	5950	Passive Combiner 5-1000 MHz, 16 Ports, High Isolation, Front/Rear Test Ports