

Headend Systems

CN-2086 1 GHz Combiner

Description

The CN-2086 1 GHz Combiner is designed for use in CATV headends. It allows 8 or 16 independent input signals to be combined into one single broadband output. Internally configured with four 16-way combiners and one 4-way combiner, it offers a maximum capability of 64 combined signals.



Features

- 5 MHz to 1000 MHz frequency range
- High port-to-port isolation
- Excellent frequency response
- Low insertion loss
- Excellent input and output return loss
- Standard 19-inch (1 RU) chassis

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Specifications

	Units	Specifications		
		2877005, 2877008	2877006	2877009
Isolation In-In 5 – 750 MHz 751 – 1000 MHz	dB	30 25	30 25	30 25
Input Return Loss 5 – 750 MHz 751 – 1000 MHz	dB	20 18	20 18	20 18
Output Return Loss 5 – 750 MHz 751 – 1000 MHz	dB	18 16	18 16	18 16
Insertion Loss In-Out 5 – 750 MHz 751 – 1000 MHz	dB	16 16	8 8	12 12
Dimensions	mm in.	480 x 340 x 44 18.9 x 13.4 x 1.7		

Notes:

1. All the ports not connected to TV channel must be loaded with 75 Ω terminators, otherwise the overall specifications will be affected.
2. Adjacent TV channels should not be connected to adjacent ports of the combiner.

Ordering Information

Description	Part Number
16-way x 1	2877005
16-way x 1, 4-way x 1	2877006
8-way x 1	2877007
16-way x 1, 2-way x 1	2877008
8-way x 1, 2-way x 1	2877009



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