

## VHF Cavity Transmitter Combiner

**Model No : CBH-136-174-75-N1-01**

**Cavity-Ferrite Transmitter Combiner, 2~8 Channels, 7" Cavities, 136-174 MHz**

- **Low loss broad band dual stage isolators**
- **Allows for minimum Tx-Tx spacings of 250 KHz**
- **Expandable for more channels**
- **Uses high 'Q' 1/4 wave bandpass cavity filters**

XIANGYU' s 'CBH-136-174-75-N1' series cavity ferrite transmitter combiners are available in 2 or more channel configurations for use in systems from 136-174 MHz.

Each channel on these combiners includes a low-loss single or dual-stage isolator and Sinclair-developed High 'Q' bandpass cavity filter. This' series utilizes very high 'Q' quarter wavelength cavities, and is especially suitable for close channel separations, typically 150 kHz .All models are 19-inch rack mountable and can be retuned in the field with simple test equipment. High power, special filtering and special mounting versions are also available. The 'CBH' series combiner is easily expanded to more channels, and is the building block used in many XIANGYU combining systems.



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指标项目 Item	技术指标 Technical
工作频率 Frequency	136-174Mhz
信道间隔 Frequency Separation	≥250KHz
调节范围 Tuning Range	2Mhz
隔离度 Isolation TX-TX	≥55dB
隔离度 Isolation TX-ANT	≥45dB
输入驻波 Input VSWR	1.25:1
输出驻波 Output VSWR	1.5:1
输入功率 Input Power	75W(Per Channel)
工作温度 Temperature	-30 to +75 °C
接头类型 Connector Type	N-Female, 50Ω
重量 Weight	< 8 Kg/Channel
外表颜色 Color	Oxidation color
外包装 Outer packing	Wooden box or carton

通道数 Number of Channel	差损 Insertion Loss			外形尺寸 Size		
	136-148MHz	148-160MHz	160-174MHz	宽度 Width	高度 Height	深度 Depth
2	≤3.0dB	≤3.2dB	≤3.4dB	362 mm	180 mm	700 mm
3	≤3.2dB	≤3.4dB	≤3.6dB	362 mm	362 mm	700 mm
4	≤3.4dB	≤3.6dB	≤3.8dB	362 mm	362 mm	700 mm
6	≤4.0dB	≤4.2dB	≤4.4dB	362 mm	544 mm	700 mm
8	≤4.4dB	≤4.6dB	≤4.8dB	362 mm	726 mm	700 mm

# CBH-XXX-XXX-XXX-X1-XX

产品种类 Product category	起始频率 Start Frequency	终止频率 Stop Frequency	功率 Power	通道数 Channel number	版本号 Version
	136---	148			
	148---	160			
	160---	174			

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