

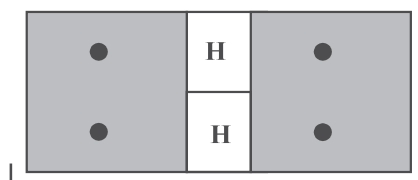
## DOUBLE BRIDGE COMBINER

280 VHF cavity

Combiners allow several radio channels to operate at one site using a common antenna.

The MCPD 280 V double bridge combiners guarantee isolation between channels with respect to manifold or starpoint combiners. They are composed by two 280mm VHF cavities and two hybrid devices. Expansion of channels is done easily in the field without need of instrumentation or cavity retuning.

Each channel is allocated in a single 5 unit cabinet. Up to 8 channels in the VHF range can be installed in a 42 units, 25" standard rack. Additional channels (up to 16) can be added.



### Electrical Specifications

Frequency band:	118 - 144 MHz
Impedance:	50 $\Omega$
Input Power	100W CW
Insertion loss:	Adjustable 1 ÷ 3.5 dB

### Mechanical Specifications

Connector Type:	N Female or 7/16
Dimensions for each channel:	25" rack, 5HU, depth 700 mm
Operating temp.:	-10°C to +55°C
Tuning method:	Rotary knob, telescopic movement

Combiners	Channels	Cabinet 5HU	Attenuation
MCPD280-V#	2 ÷ 16	2 ÷ 16	14dB $\pm$ 200 kHz at 127.5 MHz

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