

Combiners VHF

DOUBLE BRIDGE 280 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.

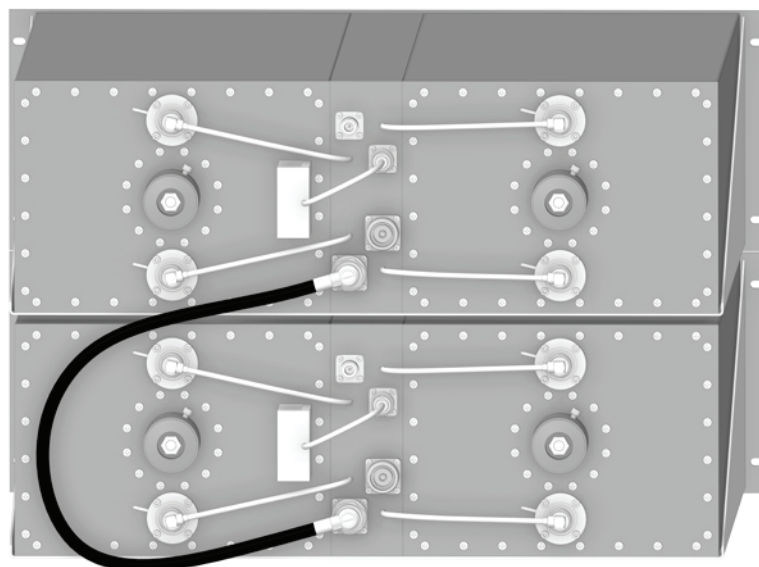
Electrical Specifications

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

Mechanical Specifications

| | |
|------------------|----------------------------------|
| Connector Type: | N Female or 7/16 |
| Dimensions: | 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# | 1 ÷ 16 | 1 ÷ 16 | 14dB \pm 200 kHz at 127.5 MHz |



MCPD280-V/2