

# Combiners UHF

## STAR 120 single cavity

Combiners allow several radio channels to operate at one site using a common antenna. The MCPS 120 U/2 star combiner is composed by 120 mm cavities and a star connection which combines two channels in the UHF range. The input and output loops can be adjusted for the optimum combination of selectivity and insertion loss.

### Electrical Specifications

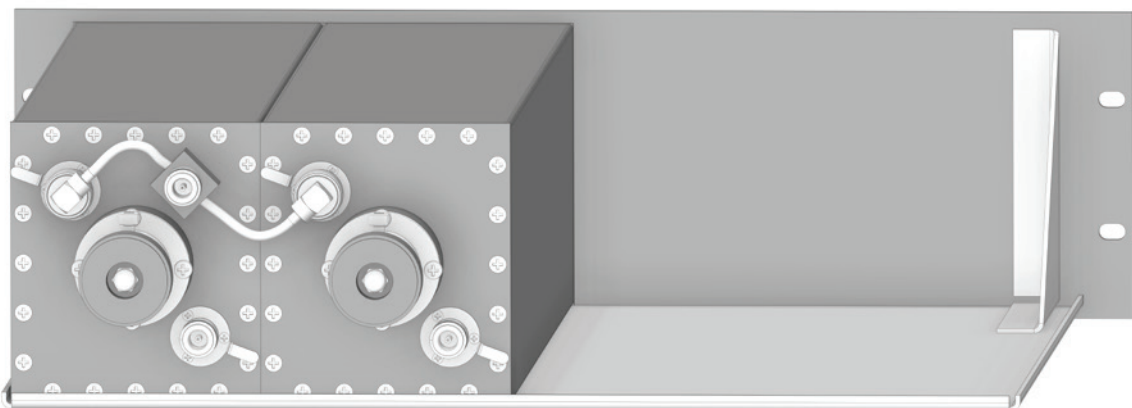
Frequency band:	225 - 400 MHz
Impedance:	50 $\Omega$
Max Power:	100W CW
Insertion loss:	Adjustable 1 ÷ 3 dB

### Mechanical Specifications

Connector Type:	N Female
Dimensions:	19" rack, 3 HU
Operating temp.:	-10°C to +55°C
Tuning method:	Rotary knob, telescopic movement

Combiners	Channels	Cabinet 3HU	Total height HU	Attenuation
MCPS120-U/2 F06UR120M2SSxxxx	2	1	3 - depth 560 mm	> 13 dB $\pm$ 0.4% at 312 MHz
MCPS120-U/3 F06UR120M3SSxxxx	3	1	3 - depth 560 mm	> 13 dB $\pm$ 0.4% at 312 MHz

Combiners	Channels	Cabinet 6HU	Total height HU	Attenuation
MCPS120-U/4R F06UR120M4SSxxxx	4	1/2	6 - depth 560 mm	> 16 dB at $\pm$ 1% from $f_0$



MCPS120-U/2