

TX and RX COMBINER 6:1

COMBINER

The ARS low-pass combiner allows you to combine up to 6 VHF transmitters on one antenna. The system is equipped with an ARS reception multicoupler that allows up to 8 VHF receivers to be combined into a single antenna.

The multicoupler is equipped with a low noise amplifier perfectly integrated with a high selectivity and low loss filter, which allows greater sensitivity and attenuation of noise and interference signals.

The system used together with fixed ARS antennas, allows to reduce the cost of space allocation in the towers, the cost of antennas, the cost of coaxial cables, connectors and supports, in addition to reducing the mechanical load on the tower.

Being modular, the system can be expanded with standardized modules, thus allowing the inclusion of new repeaters.



Partnumber	Model	Range
525016	TX AND RX COMBINATOR 6:1	148 / 174 MHz

ESPECIFICAÇÕES ELÉTRICAS	
Input power per channel	150 Watts
Nominal impedance	50 Ω
VSWR	$\leq 1.5:1$ (spaced 4:1 ≥ 300 KHz)
Maximum insertion loss	Maximum 4.5 dB / typical 3,5 dB (spaced 4:1 ≥ 300 KHz)
Cavity	8" cavity, high selectivity per channel
Combiner connectors	N female (entry and exit)
Insulator	Ferrite circulators of two stages and lost bottoms
Minimum spaced	50 KHz
Multi-coupler connectors	BNC female (output) / N female (input)

ESPECIFICAÇÕES MECÂNICAS	
Set weight	50 Kg (approx. for 4:1 systems)
Installation pattern	19" rack
Frame dimensions (optional) (high x wide x wide)	1750 x 560 x 440 mm
Dimensions (high x wide x wide)	850 x 480 x 650 mm
Temperature	0~60°C