

COMBINER 6:1

COMBINER UHF

The ARS compact combiner allows you to combine up to 6 UHF repeaters into just one transmission antenna.

The product incorporates dual-stage RF circulators, which increase isolation between the TX ports, eliminating intermodulation between transmitters. It features a high-speed coaxial transient suppressor (spark gap) at the antenna input to protect the repeaters from atmospheric electrostatic discharges.

Used in conjunction with ARS fixed antennas, it allows for a reduction in the cost of renting space on towers, the cost of antennas, the cost of coaxial cables, connectors and supports, and labor, in addition to reducing the mechanical load on the tower, thus saving space for other repeaters.



Partnumber	Model	Range
525087	6:1 COMBINATOR	430 / 470 MHz
525089	6:1 COMBINATOR	360 / 400 MHz
525102	6:1 COMBINATOR	148 / 174 MHz

ELECTRICAL SPECIFICATIONS

Maximum number of channels	6
Typical Tx attenuation	4 ports with 10 dB and 2 ports with 7dB
Maximum Tx power	100 Watts
Impedance	50 Ω
VSWR	≤ 1,5:1

MECHANICAL SPECIFICATIONS

Set weight	16,500 Kg
Installation pattern	19" rack
Rack dimensions (H x W x D)	180 x 482 x 464 mm
Temperature	0~60°C