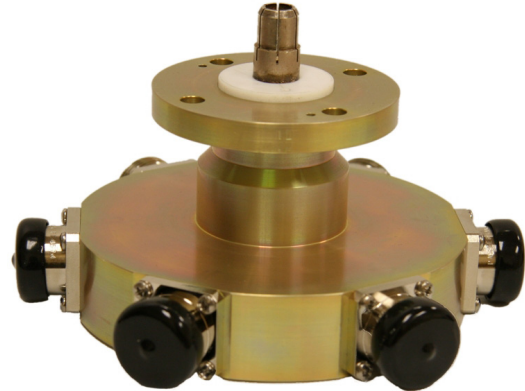


L-Band Non-Isolated Radial Combiner

Product Features

- 2, 4, 6 or 8 collecting (input) ports; other combining orders are possible
- 0.5 kW maximum input power
- 1-5/8" or 7/8" connectors at the common port, 7/16" or N-type connectors at the collecting ports
- 19" rack mountable, easy installation
- Designed to cover T-DAB and S-DAB bands
- Custom designs can be developed to meet specific electrical and mechanical requirements



Description and Application

The UBS L-band radial power combiners present a unique blend of reliability and high power handling capability in a compact housing.

Radial combiners, by their nature, tend to be very efficient for summing a large number of amplifiers. The analysis technique employed at UBS allows for very accurate prediction and careful optimization of combiner performance.

A superior mechanical design provides an excellent electrical symmetry thus improving their amplitude and phase stability. All this ensures that UBS' radial combiners have low insertion loss, excellent amplitude and phase balance over a wide frequency range, as well as graceful degradation characteristics.

Product Specifications

Frequency Range	1250 MHz - 1650 MHz
Maximum Power (at the input port)	0.5 kW
Insertion Loss (of a combiner)	0.75 dB
Return Loss (at the common port)	20 dB min., 22 dB typical
Isolation (between input ports)	13.5 dB min.
Amplitude Unbalance	±0.75 dB worst case
Phase Unbalance	±1.5° worst case
Size	Diameter of the base 6" Height 3.5"
Weight	3 kg
Interface:	
Common Port	Connector: 1-5/8"
Collecting Port	Connector: 7/16"

(specifications are subject to change without notice)

L-Band Non-Isolated Radial Combiner

Product Specifications (specifications are subject to change without notice)

