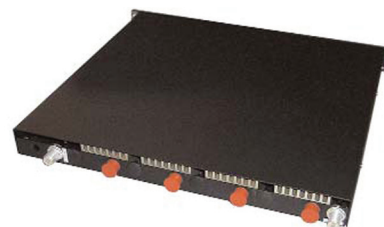


Control Station Combiner

VHF/UHF 130-520 MHz



These multi-channel combiners provide frequency-agile operation across their entire frequency range. Control Station Combiners may be used to reduce the number of antennas required on a communications site whilst also ensure that predictable radio-to radio isolation is maintained at all times - irrespective of individual radio's Tx or Rx operating mode or antenna isolation characteristics.



Single antenna-port mobiles may be connected to these combiners to provide operation on two-antenna configurations (one Tx and one Rx), or through a duplexer to a single antenna (i.e. Tx/Rx).

These capabilities can significantly reduce tower clutter and loading, and simplify cabling installation at Control Center facilities. Models are available in the 380-450 MHz, 400-470 MHz and 450- 520 MHz bands in standard configurations for 4, 8, 12, 16, and 32 capacities. Other frequency bands and higher channel capacities are also available upon request.

Features:

- Low profile for space efficient Installation
- Frequency agile with predictable Isolation
- Analogue and digital compatible

Electrical

Model Number	See table on back page	
	Tx	Rx
Frequency <i>MHz</i>	130-150, 150-175, 380-450, 400-470, 450-520 MHz	130-150, 150-175, 380-450, 400-470, 450-520 MHz
RF Power <i>W</i>	Per Channel: 50 (continuous) Per Channel: < 150 (intermittent)	-
Minimum Frequency Separation <i>MHz</i>	No limitations	-
Loss <i>dB</i>	See table on back page	See table on back page
Isolation <i>dB</i>	TX - Tx: 60min, 70 typ; Ant - Tx: 60min, 70 typ	Rx to Rx: 60min, 70 typ
Return Loss <i>dB</i>	> 15 (typ)	> 15 (typ)

Mechanical

Model Number	See table on back page	
Finish	Black	
Dimensions <i>mm/ inches</i>	H	See table on back page
	W	483 / 19
	D	130-150, 150-175 MHz - 560 / 22 / 380-450, 400-470, 450-520 MHz - 420 / 16.5
Weight <i>kg</i>	Varies by model	
Connectors	N female	

Control Station Combiner

VHF/UHF 130-520 MHz



Models

Model Numbers	Description	Typ. Insertion Loss	Height
CS1315-0405-SN	130-150 MHz, 4 Channel	7.5dB	1RU
CS1315-0805-SN	130-150 MHz, 8 Channel	11dB	3RU
CS1315-1205-SN	130-150 MHz, 12 Channel	14dB	4RU
CS1315-1605-SN	130-150 MHz, 16 Channel	14dB	5RU
CS1315-3205-SN	130-150 MHz, 32 Channel	18dB	11RU
CS1517-0405-SN	150-175 MHz, 4 Channel	7.5dB	1RU
CS1517-0805-SN	150-175 MHz, 8 Channel	11dB	3RU
CS1517-1205-SN	150-175 MHz, 12 Channel	14dB	4RU
CS1517-1605-SN	150-175 MHz, 16 Channel	14dB	5RU
CS1517-3205-SN	150-175 MHz, 32 Channel	18dB	11RU
CS3845-0405-SN	380-520 MHz, 4 Channel	7.5dB	1RU
CS3845-0805-SN	380-520 MHz, 8 Channel	11dB	3RU
CS3845-1205-SN	380-520 MHz, 12 Channel	14dB	4RU
CS3845-1605-SN	380-520 MHz, 16 Channel	14dB	5RU
CS3845-3205-SN	380-520 MHz, 32 Channel	18dB	11RU
CS4047-0405-SN	400-470 MHz, 4 Channel	7.5dB	1RU
CS4047-0805-SN	400-470 MHz, 8 Channel	11dB	3RU
CS4047-1205-SN	400-470 MHz, 12 Channel	14dB	4RU
CS4047-1605-SN	400-470 MHz, 16 Channel	14dB	5RU
CS4047-3205-SN	400-470 MHz, 32 Channel	18dB	11RU
CS4552-0405-SN	450-520 MHz, 4 Channel	7.5dB	1RU
CS4552-0805-SN	450-520 MHz, 8 Channel	11dB	3RU
CS4552-1205-SN	450-520 MHz, 12 Channel	14dB	4RU
CS4552-1605-SN	450-520 MHz, 16 Channel	14dB	5RU
CS4552-3205-SN	450-520 MHz, 32 Channel	18dB	11RU