Cost Effective Control Station Combiner (746-869 MHz)

8 Channels

ELECTRICAL SPECIFICATIONS	
Frequency Range, MHz	
HC01100-08F	746-806
HC01200-08F	896-960
HC01300-08F	806-869
Frequency Separation, kHz	No limitations
Number of Channels	8
Isolation, dB	
TX to TX	55 min / 60 typ
TX to RX	55 min / 60 typ
ANT to TX	45 min / 50 typ
RX to RX	55
Insertion Loss, dB	12
Receiver Loss, dB	12.7
Transmitter Return Loss, dB	14 min
Receiver Return Loss, dB	14 min
Power/Channel - 100% Duty Cycle, Watts	15*
Power/Channel - 40% Duty Cycle, Watts	35*
Power/Channel - 20% Duty Cycle, Watts	50*
MECHANICAL SPECIFICATIONS	
Construction/Finish	Aluminum/Gold
Input Connector	N(F)
Mounting	EIA 19-inch Rack
Temperature Range, degrees	-30 to +60 C
DIMENSIONS	
Width, in(mm)	19 (482.6)
Height, in(mm)	1.75 (44.5)
Height, RU	1
Depth, in(mm)	8 (203.2)
Net Weight, lb(kg)	12 (5.4)
Shipping Weight, lb(kg)	22 (10)

* All components are rated for 150 Watts continuous duty. Heat sink is limiting factor on power rating.

FEATURES AND BENEFITS

- Separate transmit and receive antennas.
- Low profile. 1 RU, 19-inch rack mount.
- Transmit and receive on each radio port.
- Enables combining of control stations.
- Enhances system port-to-port isolation.
- Adjustable mounting ears enable vertical or horizontal mounting to save space.
- Analog or digital radio compatible.

This is an ideal way to combine several control stations. This unit has bidirectional radio ports that can be used to reduce antenna requirements from eight to two antennas.

For optimum performance, it is recommended that unused ports be terminiated with a 1 Watt N-type 50 Ohm load (model #DB8926).

Supplied with front panel EIA mounting brackets and adjustable EIA brackets for rear support or center mounting on a two-post rack.

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