

ClearLink® 4X4 Hybrid Combiner

Covers 617-2700 MHz

General Description

Westell's ClearLink 4x4 Hybrid Combiner is a matrix of Hybrid Couplers arranged so that signals applied to any of the four inputs will be split equally between the four outputs. This affords combining of multiple signals to a common input as could be required for a neutral host DAS for an in-building design.

Unused output ports must be terminated in 50Ω load of appropriate power rating and PIM performance. Special care has been taken to maximize isolation, and for minimum passive intermodulation (PIM). Also, please take note that this model's phase relationships are not consistent.

Product Highlights

- IP 67 Rated
- Guaranteed Low PIM
- Available in N, DIN and 4.3-10 female connectors
- RoHs Compliant

Frequency Range

- 617-2700 MHz

Ordering information

Part Number	Descriptions
CS05-192-390	N(f) female connector
CS05-195-390	4.3-10(f) female connector
CS05-196-390	7/16 DIN(f) female connector



4x4 Hybrid Combiner
Model Number CS05-195-390 shown

Specifications

Isolation	23 dB minimum, > 32 dB typical
NOM. Path Loss	6 dB
Dissipative Loss	0.7 dB
Amplitude Balance	<2.4 GHz 6.2±1.1 dB >2.4 GHz 6.2±1.3 dB
Return Loss	20 dB
Power (each port)	100 Watts
PIM (Tested @ 1900 MHz)	-161 dBc
Frequency Sensitivity	617-2400 MHz ±1.1 dB 2400-2700 MHz ±1.3 dB
Connector Types	N (f), 4.3-10 (f) and 7/16 DIN (f)
Outdoor Rating	IP67
Temperature Range	-35° C to +65° C
Overall Dimensions	1.0"H* x 5.83"W x 10.78"L
Finish	Clear Iridite

Specifications subject to change without notice.

*with mounting bracket removed (2.61" incl. bracket)

