

ClearLink® 3X3 Hybrid Combiner



General Description

Westell's ClearLink 3x3 Hybrid Combiner is a matrix of Hybrid Couplers arranged so that signals applied to any of the three inputs will be split equally between the three 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

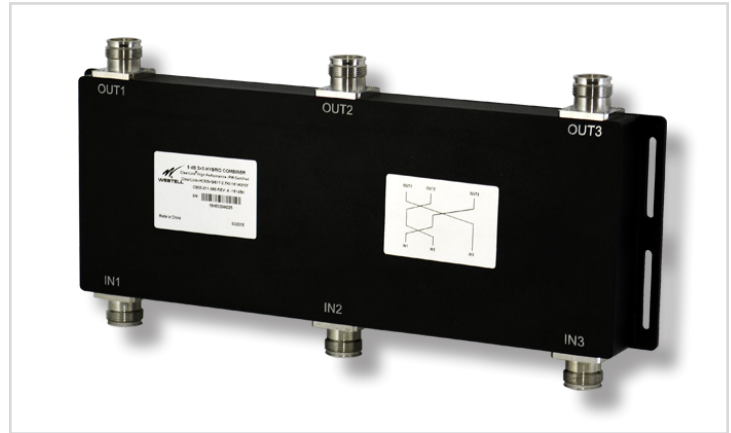
- IP 67 Rated
- Guaranteed Low PIM
- Available with 4.3-10, DIN or N, female connectors
- RoHs Compliant

Frequency Range

- 600-2700 MHz

Ordering information

Part Number	Descriptions
CS05-211-390	4.3-10(f) female connector
CS05-212-390	7/16 DIN(f) female connector
CS05-210-390	N(f) female connector



3x3 Hybrid Combiner
Model Number CS05-211-390 shown

Specifications

NOM. Path Loss	5 dB	
Dissipative Loss	0.8 dB	
Amplitude Balance Varies for:	Isolation (dB)	VSWR
600-800 MHz	≥25	≤1.20:1
800-2500 MHz	≥25	≤1.20:1
2500-2700 MHz	≥23	≤1.25:1
Power (each port)	150 Watts	
PIM (Tested @ 1900 MHz)	-161 dBc for 4.3-10 and DIN models -155 dBc N model	
Frequency Sensitivity	600-2400 MHz ±1.0 dB 2400-2700 MHz ±1.2 dB	
Connector Types	N(f), 4.3-10(f) and 7/16 DIN(f)	
Outdoor Rating	IP67	
Temperature Range	-35° C to +75° C	
Overall Dimensions	1.5"H x 6.25"W x 13"L	
Finish	Black	

Specifications subject to change without notice.

