

ClearLink® Hybrid Couplers



General Description

Hybrid couplers are typically used to combine 2 or more RF signal sources while providing high port to port isolation. And when both outputs are utilized they effectively create a nearly lossless combiner/splitter combo. They feature very low through loss and power handling capability for 200 watts average power. Coupled ports are 90° out of phase and the isolated port helps protect against mismatched loads on the coupled ports.

Frequency Range

- 617-2700 MHz for -154 and -161 PIM product
- 698-2700 MHz for -153 PIM product

Features & Benefits

- Guaranteed PIM Compliance
- Available with N-Type, 4.3-10 or 7/16 DIN Female Connectors
- Low Through Loss
- High Directivity
- Dual Directional
- 200 Watts Average Power
- IP65 Compliant
- RoHS Compliant
- Includes mounting holes



Specifications

Standard Coupling (dB)	3.0 ±0.5
Through Loss (dB) Typical	≤0.4
Isolation (dB)	>23
VSWR (:1)	≤1.30
Operating Temperature	-35° C to +75° C

Ordering Details

Connector Type	Dimensions	PIM Rating (dBc)	Model Number	Item Number
N Connector	5.24 x 1.58 x 0.99 in	-153	ClearLink-HC3/698-2.7K/MS/N	CS05-113-390
DIN Connector	5.79 x 3.39 x 1.16 in	-153 -161	ClearLink-HC3/698-2.7K/MS/DIN ClearLink-HC3/617-2.7K/-161/DIN	CS05-114-390 CS05-190-390
4.3-10 Connector	5.8 x 1.73 x 1.16 in	-154 -161	ClearLink-HC3/617-2.7K/MS/431 ClearLink-HC3/617-2.7K/-161/4310	CS05-113-3904310 CS05-172-390

Specifications subject to change without notice. ClearLink® devices are measured with two tones at +43 dBm.



Copyright © 2017 by Westell, Inc. All Rights Reserved. Westell, ClearLink, Kentrox, and Optima Management System are registered trademarks of Westell, Inc. All other names are trademarks of their respective owners. Information is correct at time of printing and is subject to change without notice. Westell, Inc. is an Equal Opportunity/Affirmative Action employer.

WESTELL.COM

IBW-CS05-Hybrid-Couplers-DS-121817