

ClearLink® Directional Couplers

General Information

These low PIM coaxial directional couplers feature a ≤ -153 dBc PIM rating, low insertion loss and power handling capability of 200 watts average power.

Model Numbers

N-Female Connector Option

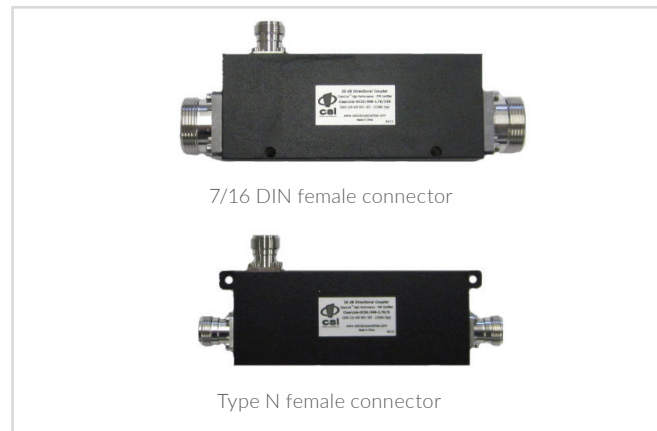
- ClearLink-DC5/698-2.7K/N
- ClearLink-DC6/698-2.7K/N
- ClearLink-DC10/698-2.7K/N
- ClearLink-DC15/698-2.7K/N
- ClearLink-DC20/698-2.7K/N
- ClearLink-DC30/698-2.7K/N

DIN Connector Option

- ClearLink-DC10/698-2.7K/DIN
- ClearLink-DC15/698-2.7K/DIN
- ClearLink-DC20/698-2.7K/DIN
- ClearLink-DC30/698-2.7K/DIN
- ClearLink-DC6/698-2.7K/DDD
- ClearLink-DC10/698-2.7K/DDD
- ClearLink-DC15/698-2.7K/DDD
- ClearLink-DC20/698-2.7K/DDD
- ClearLink-DC30/698-2.7K/DDD

4.3-10 Connector Option

- ClearLink-DC5/698-2.7K/4310
- ClearLink-DC6/698-2.7K/4310
- ClearLink-DC10/698-2.7K/4310
- ClearLink-DC15/698-2.7K/4310
- ClearLink-DC20/698-2.7K/4310
- ClearLink-DC30/698-2.7K/4310



7/16 DIN female connector

Type N female connector

4.3-10 connector image coming soon

Frequency Range

- 698-2700 MHz

Features & Benefits

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

ClearLink® Directional Couplers



Specifications

Standard Coupling (dB)	5	6	10	15	20	30
Insertion Loss (dB)	2.1	1.7	0.8	0.5	0.3	0.2
Coupling Variation (dB)	±1.0	±1.0	±1.0	±1.0	±1.0	±1.2
VSWR (:1)	1.35	1.35	1.35	1.35	1.35	1.35
Directivity (Min Value) (dB)	20	20	20	20	20	20
PIM Rating (dBc)	≤-153	≤-153	≤-153	≤-153	≤-153	≤-153
Dimensions						
/N Model	6.09 x 2.56 x 0.87 in					
/DIN Model	6.68 x 2.73 x 1.42 in					
/DDD Model	6.68 x 2.89 x 1.42 in					
/4.3-10 Model	6.09 x 2.56 x 0.87 in					
Operating Temperature	-25° C to +75° C					
Connectors	Input/Output		Coupled Port			
/N Model	N-Female		N-Female			
/DIN Model	DIN		N-Female			
/DDD Model	DIN		DIN			
/4.3-10 Model	4.3-10		4.3-10			

Specifications subject to change without notice.

ClearLink® devices are measured with two tones at +43 dBm.



WESTELL