

# ClearLink® Directional Couplers

## General Information

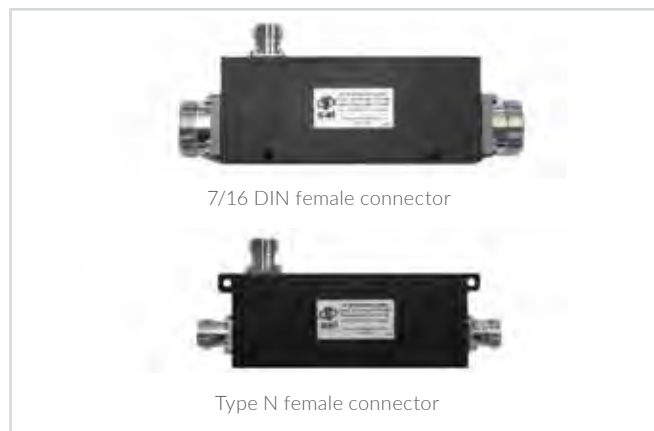
These low PIM coaxial directional couplers feature a  $\leq -150$  dBc PIM rating, low insertion loss and power handling capability of 200 watts average power.

## Model Numbers

- 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
- 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

## Frequency Range

- 698-2700 MHz



## Features & Benefits

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

# ClearLink<sup>®</sup> 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 (typ) (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					
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			

Specifications subject to change without notice.

\*ClearLink<sup>®</sup> PIM certified passive devices are guaranteed to ≤ -150 dBc with typical results at -153 dBc.

ClearLink<sup>®</sup> devices are measured with two tones at +43 dBm.



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