

ClearLink® Hybrid Couplers

General Description

These low PIM hybrid couplers feature very low insertion 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.

Model Numbers

- ClearLink-HC3/698-2.7K/MS/N
- ClearLink-HC3/698-2.7K/MS/DIN

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



Specifications

Standard Coupling (dB)	3.1 ±0.5
Insertion Loss (dB)	0.2
Coupling Variation (dB)	0.5
VSWR (:1)	1.20
PIM Rating (typ)* (dBc)	-153
Dimensions	
Type N Female Connectors	5.24 x 1.58 x 0.99 in
Type 7/16 DIN Female Connectors	5.24 x 1.85 x 1.51 in
Operating Temperature	-25° C to +85° C

Specifications subject to change without notice.

*ClearLink® PIM certified passive devices are guaranteed to ≤ -150 dBc with typical results at -153 dBc. ClearLink® devices are measured with two tones at +43 dBm.

