

# Westell® VHF - 960MHz Directional Couplers

Low PIM

## General Information

Directional couplers are unequal splitters that are used to balance out the RF power within a distributed antenna system. They are a perfect fit for the server side of a distributed antenna system, or to couple another signal source into the donor coax.

These Low PIM coaxial directional couplers feature a low through loss and power handling capability of 200 watts average power.

## Product Highlights

- Guaranteed -153 dBc PIM Compliance
- Available with N-Type, Female Connectors
- Low Through Loss
- High Directivity
- 200 Watts Average Power
- IP65 Compliant
- RoHS Compliant

\*Mounting bracket available as separate item. Use P/N 521-003669-001

## Frequency Range

- 138-960 MHz



N-Type female connector

## Ordering Information

Part Number	Description
CV05-508-630	VHF-DC5/138-960/N(F), 5dB Directional coupler
CV05-509-630	VHF-DC6/138-960/N(F), 6dB Directional coupler
CV05-510-630	VHF-DC7/138-960/N(F), 7dB Directional coupler
CV05-511-630	VHF-DC8/138-960/N(F), 8dB Directional coupler
CV05-512-630	VHF-DC10/138-960/N(F), 10dB Directional coupler
CV05-513-630	VHF-DC13/138-960/N(F), 13dB Directional coupler
CV05-514-630	VHF-DC15/138-960/N(F), 15dB Directional coupler
CV05-515-630	VHF-DC20/138-960/N(F), 20dB Directional coupler
CV05-516-630	VHF-DC30/138-960/N(F), 30dB Directional coupler

## Specifications

Freq (MHz)	138-960									
Coupling (dB)	5	6	7	8	10	13	15	20	30	
IL (dB)	≤2.2	≤1.75	≤1.45	≤1.35	≤0.9	≤0.7	≤0.5	≤0.4	≤0.4	≤0.4
Accuracy (dB)	±1.4	±1.5	±1.7	±1.8	±2.0	±2.0	±2.0	±2.0	±2.0	±2.5
Isolation (dB)	≥19	≥21	≥22	≥23	≥25	≥28	≥30	≥35	≥45	≥45
VSWR	≤1.3									
PIM (dBc)	≤-153dBc @ 2 x 43dBm @ 700Mhz									
Power (W)	200 (average)									
Impedance	50 ohm									
Connector	N-female									
Color	Red									
Temp	-35~+65									
Application	Indoor & Outdoor IP65									
Humidity	5%-95%									
Dimensions LxHxD	15.79" x 2.54" x 0.73" (Connectors Included)									

