

Non-PIM Rated Public Safety Directional Couplers



General Information

Westell's Non-PIM rated Directional Couplers support UHF, 700 and 800 MHz support Public Safety frequencies. Features low insertion loss and capable of handling 300 watts average power. Connector style offerings include: N (F), 4.3-10 (F) and 7/16 DIN (F).

Frequency Range

- 340—2700 MHz

Product Features & Benefits

- Supports UHF, 700 & 800 MHz Public Safety
- Low Insertion Loss
- Low VSWR
- Non-PIM Rated
- IP-65 Ingress Rating
- 300 W Average Power



Available Connector Style

- N (F) Type Connector
- 4.3-10 (F) Type Connector
- 7/16 DIN (F) Type Connector (Special Order)

Specifications

Standard Coupling (dB)	5	6	10	15	20	30
Insertion Loss (dB)	≤2.3	≤1.85	≤0.9	≤0.5	≤0.4	≤0.35
Coupling Variation (dB)	± 1.2	± 1.3	± 1.6	± 1.7	± 1.7	± 1.8
Isolation (dB)	20	22	26	30	32	42
VSWR	≤1.35:1	≤1.35:1	≤1.35:1	≤1.35:1	≤1.35:1	≤1.35:1
Average Power (W)	300	300	300	300	300	300
Temperature Range	-30°C to +75°C					

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Ordering Information

Coupling	Connector	Part Number	Model Number
5 dB	N (f)	CS05-488-429	ClearLink-DC5/340-2.7K/N
6 dB	N (f)	CS05-489-429	ClearLink-DC6/340-2.7K/N
10 dB	N (f)	CS05-490-429	ClearLink-DC10/340-2.7K/N
15 dB	N (f)	CS05-491-429	ClearLink-DC15/340-2.7K/N
20 dB	N (f)	CS05-492-429	ClearLink-DC20/340-2.7K/N
30 dB	N (f)	CS05-493-429	ClearLink-DC30/340-2.7K/N

Coupling	Connector	Part Number	Model Number
5 dB	4.3-10 (f)	CS05-416-429	ClearLink-DC5/340-2.7K/4310
6 dB	4.3-10 (f)	CS05-417-429	ClearLink-DC6/340-2.7K/4310
10 dB	4.3-10 (f)	CS05-418-429	ClearLink-DC10/340-2.7K/4310
15 dB	4.3-10 (f)	CS05-419-429	ClearLink-DC15/340-2.7K/4310
20 dB	4.3-10 (f)	CS05-420-429	ClearLink-DC20/340-2.7K/4310
30 dB	4.3-10 (f)	CS05-421-429	ClearLink-DC30/340-2.7K/4310

Coupling	Connector	Part Number	Model Number
5 dB	7/16 DIN (f)*	CS05-466-429	ClearLink-DC5/340-2.7K/DIN
6 dB	7/16 DIN (f)*	CS05-467-429	ClearLink-DC6/340-2.7K/DIN
10 dB	7/16 DIN (f)*	CS05-468-429	ClearLink-DC10/340-2.7K/DIN
15 dB	7/16 DIN (f)*	CS05-469-429	ClearLink-DC15/340-2.7K/DIN
20 dB	7/16 DIN (f)*	CS05-470-429	ClearLink-DC20/340-2.7K/DIN
30 dB	7/16 DIN (f)*	CS05-471-429	ClearLink-DC30/340-2.7K/DIN

* 7/16 DIN Connectors are Special order

