

Public Safety Directional Couplers



General Information

Westell's Public Safety Directional Couplers support UHF, 700 and 800 MHz 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

Features & Benefits

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



ClearLink-DC6/340-2.7K/N. 6 dB Directional Coupler (pictured)

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
Isolations (dB)	20	22	26	30	32	42
VSWR (:1)	≤1.35:1					
Average Power	300					
Operating Temperature	-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

*7/16 DIN Connectors are Special order

