



Low PIM Directional Coupler

DESCRIPTION:

Typically used in In-building DAS systems to provide coverage solutions for UHF, 700, 800, PCS, & AWS bands.

Specifications								
Coupling (dB)	3	5	6	8	10	15	20	30
Coupling Tolerance (dB)	±1.2							
Impedance	50Ω							
Insertion Loss (dB)	≤3.6	≤2.15	≤1.7	≤1.1	≤0.7	≤0.4	≤0.2	≤0.2
Directivity (dB)	≥20							
Isolation (dB)	≥23	≥25	≥26	≥28	≥30	≥35	≥40	≥50
VSWR/Return Loss	≤1.25:1							
PIM, 3 rd order, 2 X 20W (dBc)	≤-155 (-N & -D) ≤-160 (-41D & -43D)							
Max Power Input (W)	200 (-N) 350 (-41D & -43D) 500 (-D)							
Peak Power (kW)	1.5							
Operating Temperature	-30 to 75 °C							
Weight (lbs)	1.15							

Part Number Configurator	XDC/YYY
	X= Coupling (3,5,6,8,10,15,20,30)
	YYY= Connector Type
	-N
	-D
	-41D
	-43D

Connectors	Input/Output	Coupled Port
-N	N - Female	N - Female
-D	7/16 DIN Female	7/16 DIN Female
-41D	4.1/9.5 mini-DIN	4.1/9.5 mini-DIN
-43D	4.3/10 mini-DIN	4.3/10 mini-DIN

Dimensions	
-N	8.38 X 2.56 X .87 in.
-D	8.38 X 2.56 X 1.30 in.
-41D	8.18 X 2.46 X 1.30 in.
-43D	8.80 X 2.56 X 1.30 in.