

Trueconnect™ DIRECTIONAL COUPLER



MODEL - XDC/43



Low PIM Air Directional Coupler
[380-2700 MHz]

DESCRIPTION:

Typically used in In-building DAS systems to provide coverage solutions for UHF, 700PS, 700 LTE, 800PS, 850 CELL, PCS, AWS, WCS, 2.5 bands.

- Low PIM
- Low Insertion Loss
- High Power

Specifications										
Frequency Range (MHz)	380-2700									
Connector	4.3-10 Female									
PIM, 3rd Order (dBc)	≤-162									
Coupling (dB)	3	4.8	6	8	10	13	15	20	30	40
Coupling Tolerance (dB)	±1.2									
Impedance	50Ω									
Insertion Loss (dB)	≤3.6	≤2.15	≤1.7	≤1.1	≤0.7	≤0.5	≤0.4	≤0.2	≤0.2	≤0.2
Directivity (dB)	≥20									
Isolation (dB)	≥23	≥25	≥26	≥28	≥30	≥30	≥35	≥40	≥50	≥50
VSWR	≤1.2:1									
Max Power Input (W)	300									
Peak Power (kW)	1.5									
Dimensions in. (mm)	8.80 X 2.56 X 1.30 (223.5 X 65 X 33)									
Operating Temperature - °F (°C)	-30 to 75 °C									
Weight - lbs (kg)	1.15									