



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 | N Female | | | | | | | | | |
| PIM, 3rd Order (dBC) | ≤-160 | | | | | | | | | |
| 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) | 200 | | | | | | | | | |
| 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 | | | | | | | | | |