

Wideband Hybrid Coupler

HC-R-ON300L(XH)

Low PIM(-153dBc), 698-2700MHz, N-Female, 300W

- Wideband design covering 698-2700MHz
- High input power handling capability
- Low insertion loss and VSWR, high isolation
- Integrate two operators' services into an existing in-building antenna distribution system



Electrical Specification

| | |
|------------------------------|------------------|
| Frequency (MHz) | 698-2700 |
| Insertion Loss (dB) | ≤ 0.1 |
| Coupling Value (dB) | 3.1 |
| Coupling Tolerance (dB) | ± 0.5 |
| Isolation Between Ports (dB) | ≥ 25* |
| VSWR | ≤ 1.25* |
| PIM (dBc) | ≤ -153 @ 2x43dBm |
| Average Power, max (W) | 300 |
| Peak Power, max (W) | 1000 |
| Impedance (ohm) | 50 |

Mechanical Specification

| | |
|-------------------|---------------------------|
| Dimension (in/mm) | 4.9x3.1x1.0 / 127x80x24.2 |
| Weight (lb/kg) | 0.9 / 0.4 |
| Connector | N-Female |

Environment & Compliance

| | |
|-----------------------|------------------|
| Application | Outdoor / Indoor |
| Operating Temperature | -40°C to +65°C |
| Environment | IP65 |
| Relative Humidity | Up to 95% |
| RoHS | Compliant |

* Valid if all ports are terminated with 50Ω load

Block Diagram

