

LT-PS-330/2700-2W

Power Splitter | 330-2700 MHz | 3 dBi

The Lamatel LT-PS-330/2700-2W Directional Coupler is designed for efficient signal sampling and distribution across a wide frequency range of 330-2700 MHz. With a coupling factor of 3 dB, this device ensures accurate signal splitting while maintaining minimal insertion loss. Ideal for signal monitoring, power measurement, and distributed antenna systems (DAS), its robust and compact design supports stable performance in a variety of RF communication setups, including indoor and outdoor environments.

Key Features

- Wide Frequency Range: 330–2700 MHz
- Coupling Value: 3 dBi for accurate signal sampling
- Compact and Lightweight Design for easy system integration
- Durable Construction for reliable indoor and outdoor use
- Suitable for Distributed Antenna Systems (DAS), power monitoring, and signal testing applications

Key Highlights

- Excellent VSWR Performance for maximum system efficiency
- Bi-directional Design allows flexible installation options
- High Power Handling Capability for demanding RF environments
- Corrosion-Resistant Finish ensures long-term reliability
- Easy Integration into existing RF communication and test setups

Applications

- Distributed Antenna Systems (DAS) for buildings, tunnels, and stadiums
- Signal Monitoring and Testing in RF communication systems
- Power Measurement in transmission lines



Specifications

| Electrical Specifications | |
|------------------------------|---|
| Frequency | 330-2700 MHz |
| Configuration | 1:2 |
| Split Loss | 3.0 dB |
| Insertion Loss | 0.30 dB |
| VSWR | ≤1.25 @ 380-2700 MHz ≤1.35 @ 330-380 MHz |
| Power Capacity | Avg. 300 W, Peak 3.0 kW |
| Impedance | 50 Ω |
| Intermodulation | ≤ -161 dBc @ 2 x 43 dBm |
| Environmental Specifications | |
| Environment | ETS 300 019 |
| Operating Temperature | -25 °C to +85 °C |
| Relative Humidity | 0 ~ 95% |
| Application | IP65 |
| Mechanical Specifications | |
| Dimensions (mm) | 143 x 25 x 25 |
| Weight (Kg, N) | 0.360 |
| Weight (Kg, 4.3-10) | 0.390 |
| RF Connector | 4.3-10 or N Female |

