

LT-DPXHH-130-174-5/8

High Performance Duplexer | 130-174 MHz

The Lamatel LT-DPXHH-130-174-5/8 High Performance Duplexer is designed to provide reliable and efficient frequency separation within the 130–174 MHz VHF band. Engineered for critical communication systems, this duplexer allows simultaneous transmission and reception on a single antenna, minimizing interference and ensuring clear, uninterrupted signal flow.

Key Features

- Design TX RX Combination
- Carrier available at 25 KHz
- Tunable screw design for carriers change in future.
- Special heat dissipation design to make sure stable performance and long working life.
- Big cavity design 45mm for better power bearing ability.

Applications

- VHF Repeater Systems
- Public Safety & Emergency Communications
- Commercial & Industrial Radio Networks
- Transportation & Logistics Communication Systems
- Base Stations in Harsh Outdoor or Indoor Environments

Specifications:

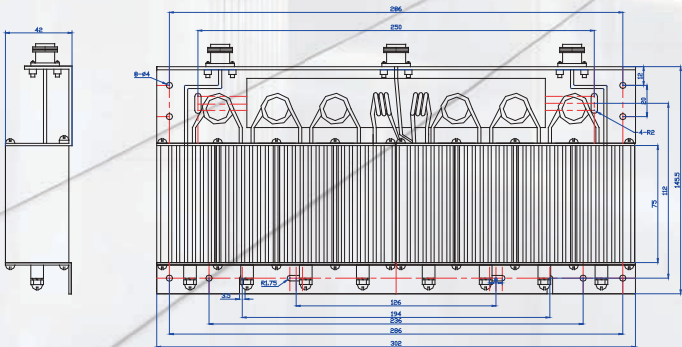
| LT-DPXHH-130-174-5/8 | | |
|----------------------|-----------------------|------------------------|
| Duplex Spacing | 5 MHz (customized) | |
| Carrier | 25 KHz | 25 KHz |
| Insertion Loss | 1.2dB Typical/1.3dB | |
| VSWR | < 1. 5dB | |
| Isolation | ≥80 dB (@TX at RX) | ≥80 dB (@ RX at TX) |
| Noise Suppression | 80 dB | |
| Max Input Power | 100 W | |
| Impedance | 50 Ω nominal | |

| LT-DPXHH-130-174-5/8 | |
|----------------------|---------------------------|
| Dimensions | 302 x 145.5 x 42 mm |
| Weight | 2.4 Kg |
| Connector | N Female |
| Color | Black |
| Mounting | Wall Mounting or 19” Rack |
| Temperature Range | -35 to 60°C |
| Relative Humidity | Up to 95% |
| Application | Indoor |



Key Highlights

- Excellent temperature stability
- High selectivity with low adjacent channel interference
- Easy tuning and maintenance
- Low VSWR for efficient signal transfer
- Customizable frequency options
- Durable for indoor and outdoor use



Firm & tunable screw



Max increase heat dissipation by wave surface design

