LT-DPXHH-300-525-5/8

High Performance Duplexer | 300-525 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

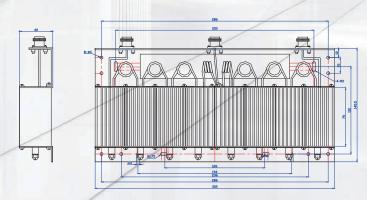


Key Highlights

- 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

Specifications:

LT-DPXHH-300-525-5/8		LT-DPXHH-300-525-5/8	
Duplex Spacing	5 MHz (customzed)	Dimensions	302 x 222.5 x 42 mm
Carrier	25 KHz 25 KHz	Weight	3.3 Kg
Insertion Loss	1.3dB	Connector	N Female
VSWR	< 1. 5dB	Color	Black
Isolation	$\geq 80 \text{ dB}$ $\geq 80 \text{ dB}$ (@TX at RX) (@RX at TX)	Mounting	Wall Mounting or 19" Rack
Noise Suppression	80 dB	Temperature Range	-35 to 60°C
Max Input Power	100 W	Relative Humidity	Up to 95%
Impedance	50 Ω nominal	Application	Indoor





Firm & tunable screw



Max increase heat dissipation by wave surface design

