

LT-DPX-406-512-0.5/6

4-Inch 6-Cavity Duplexer

These Lamatel 4-inch 6-cavity base station duplexers are ideal for high power close frequency separation installations. These Band-Pass filters are designed for the combination of 2 frequencies that require extra isolation or they can be used as an efficient pre-selector. If higher levels of isolation are required, please consider using the 8 cavity configuration.

Selectivity can be determined by the field adjustable loops. Each cavity is temperature compensated for operation between -40°C to +60°C. Each cavity has a gold alodine finish, silver plated loops, and silver plated tuning rods.



Electrical Specs.	LT-DPX-138-174-0.5/6	LT-DPX-406-512-0.5/6	LT-DPX-746-960-3.6/6
Frequency Range	138-174 MHz	406-512 MHz	746-960 MHz
Frequency Spacing Min.	0.5 MHz	0.5 MHz	3.6 MHz
Cavities, Diameter	6, 4-in ²	6, 4-in ²	6, 4-in ²
Continuous Power Input	350 Watts	350 Watts	350 Watts
Connectors	N Female	N Female	N Female
Insertion Loss	2.1 dB	1.2 dB	1.2 dB
Channel Isolation (@ min. sep. dB)	85	100	85
VSWR	1.22:1	1.22:1	1.22:1
Temperature °C	-40 to +60	-40 to +60	-40 to +60

Mechanical Specs.	LT-DPX-138-174-6	LT-DPX-406-512-6	LT-DPX-746-960-6
Maximum Length, in (H x W x D)	31 x 19 x 8	8 x 19 x 15	8 x 19 x 12
Weight, lbs (Kg)	45 (20.25)	27 (12.15)	24 (10.8)
Mounting	19-inch rack mount	19-inch rack mount	19-inch rack mount

Order Information	Frequency	Wall Mount	6 Cavities
LT-DPX-138-174-6	138-174 MHz	LT-DPX-138-174-6WM	LT-DPX-138-174-6
LT-DPX-406-512-6	406-512 MHz	LT-DPX-406-512-6WM	LT-DPX-406-512-6
LT-DPX-746-960-6	746-960 MHz	LT-DPX-746-960-6WM	LT-DPX-746-960-6

