

DXF150 VHF

6-Cavity VHF 150 MHz Duplexer

DXF150 is a 6-cavity VHF150 MHz duplexer for duplex transceivers

The Duplexer is a compact unit intended for equipment. Comes in two versions low (L) and high (H) and three spacing each

Possible to operate on several multi-channels on TX and RX

DXF150 provide superior performance and may also be used as low-power base station duplexer

- Adjustable within 138 – 156 MHz for low and 152 - 175 MHz high
- 50 Watts power handling
- Compact mobile duplexer



ELECTRICAL SPECIFICATIONS

Type	VHF - 6 Cavity Duplexer
Frequency	L: 138- 156 MHz H: 152-175 MHz
Frequency Spacing	4 - 6 MHz 6 - 8 MHz 8 - 10 MHz
Insertion Loss	≤ 1.2 dB
Isolation (Suppresion)	Single channel ≥ 80 dB Multi channel ≥ 60 dB (Bandwidth = 1.5 MHz)
VSWR	≤ 1:1.5
Impedance	50 Ohm
Maximum Input Power	50 Watts

MECHANICAL SPECIFICATIONS

Color	Black (Matte)
Dimensions	220 x 154 x 32 mm (see outline drawing)
Weight	1,1 kg
Mount Type	See outline drawing
Connector	N-female
Operating Temperature	-30°C to +60°C
Serial No.	On product label

Datasheet

3 / 4

ORDERING INFORMATION

51001-003	L: 138-156 MHz, 4 - 6 MHz Not tuned In box
51001-003X	L: 138-156 MHz, 4 - 6 MHz Factory tuned (Please specify Tx and Rx frequency when ordering) In box
51002-003	L: 138-156 MHz, 6 - 8 MHz Not tuned In box
51002-003X	L: 138-156 MHz, 6 - 8 MHz Factory tuned (Please specify Tx and Rx frequency when ordering) In box
51003-003	L: 138-156 MHz, 8 - 10 MHz Not tuned In box
51003-003X	L: 138-156 MHz, 8 - 10 MHz Factory tuned (Please specify Tx and Rx frequency when ordering) In box
51004-003	H: 152-175 MHz, 4 - 6 MHz Not tuned In box
51004-003X	H: 152-175 MHz, 4 - 6 MHz Factory tuned (Please specify Tx and Rx frequency when ordering) In box
51005-003	H: 152-175 MHz, 6 - 8 MHz Not tuned In box
51005-003X	H: 152-175 MHz, 6 - 8 MHz Factory tuned (Please specify Tx and Rx frequency when ordering) In box
51006-003	H: 152-175 MHz, 8 - 10 MHz Not tuned In box
51006-003X	H: 152-175 MHz, 8 - 10 MHz Factory tuned (Please specify Tx and Rx frequency when ordering) In box

4 / 4

