

6-Resonator Mini-Duplexer for the 150 MHz band

DESCRIPTION

- The MIX 150/6 is a 6-resonator miniaturized duplex filter for digital/analog repeaters. This compact "miniduplexer" meets the demand for a modern space-saving, high-performance filter type.
- The miniaturization of the filter has been realized by using special high-Q, temperature-compensated helical resonators with discrete-component interconnections.
- The housing is made of aluminium and the connectors are provided with teflon insulation.
- The model can be tuned within the band 136 - 174 MHz, min. Tx/Rx spacing 4 MHz.



ORDERING

Model	Product No.
MIX 150/6	200002145
Accessories	
Mounting Kit for HYTERA RD 965	200002517

ORDERING INFORMATION

When ordering please specify Tx and Rx frequencies, the duplexers are delivered factory adjusted.
If Tx and Rx frequencies are not stated, the filters are delivered non-adjusted.

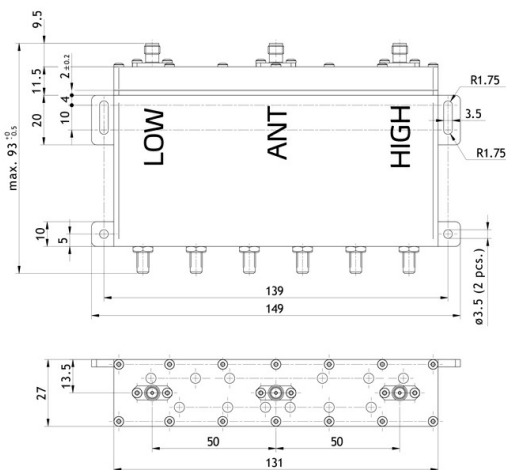
PLEASE NOTE

The HYTERA cable kit is used for mounting the duplexer inside the HYTERA RD 965 repeater.
It consist of 3 cables. A manual for mounting the duplexer is provided with the kit.

SPECIFICATIONS

Electrical	
Model	MIX 150/6
Frequency	136 - 174 MHz
Max. Input Power	15 W
Insertion Loss Tx-Ant and Ant-Rx	< 2.0 dB (typ. 1.5 dB)
Tx-Rx Spacing	> 4 MHz
Impedance	50 Ω
Isolation	> 60 dB (In-band)
VSWR	≤ 2.0:1 (typ. ≤ 1.5:1)
Bandwidth	4 MHz
Mechanical	
Connection(s)	SMA(f)
Dimensions	93 x 149 x 27 mm / 3.66 x 5.86 x 1.06 in.
Weight	Approx. 0.5 kg / 1.10 lb
Environmental	
Operating Temperature Range	-30°C to +60°C

MOUNTING DETAILS



All dimensions are given in mm

TYPICAL RESPONSE CURVES

