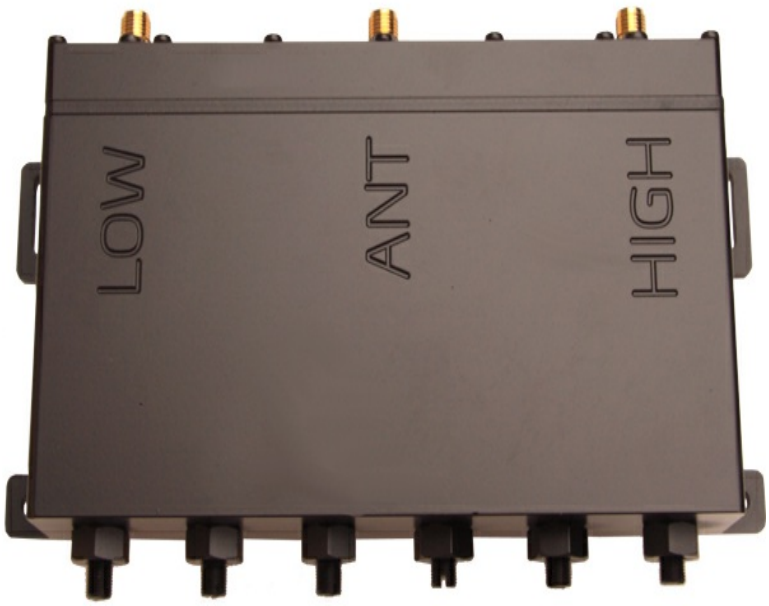
6-Resonator Mini-Duplexer for the 150 MHz band

DESCRIPTION

- The MIX 150/6 is a 6-resonator miniaturized duplex filter for digital/analog repeaters. This compact “miniplexer” 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.



SPECIFICATIONS

Electrical	
Model	MIX 150/6
Frequency	136 - 174 MHz
Insertion Loss Tx-Ant and Ant-Rx	< 2.0 dB (typ. 1.5 dB)
Tx-Rx Spacing	4 - 10 MHz
Impedance	50 Ω
Isolation	> 60 dB
VSWR	< 2.0:1
Maximum Input Power	15 W
Bandwidth	1 - 4 MHz

Mechanical	
Connection(s)	SMA(f)
Dimensions	93 x 149 x 27 mm / 3.66 x 5.86 x 1.06 in
Weight	0.5 kg / 1.10 lb

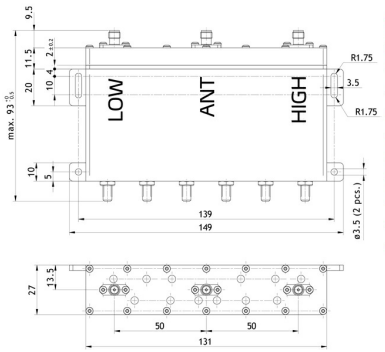
Environmental	
Operating Temperature Range	-30 °C to +60 °C

ORDERING

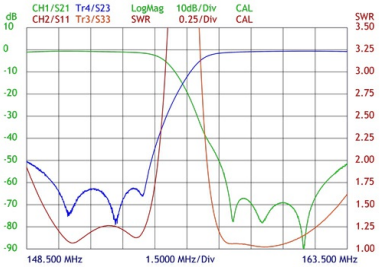
Type	Product No.
MIX 150/6	200002145
MOUNTING KIT FOR HYTERA RD 965	200002517

DIAGRAM

MOUNTING DETAILS



TYPICAL RESPONSE CURVES



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.

PROCOM A/S reserves the right to
amend specifications without prior notice