MIX 150/6

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.

SPECIFICATION

PRODUCT INFORMATION

Model	MIX 150/6
Last Update	5 Nov 2026

ELECTRICAL

Frequency	136 - 174 MHz
Max. Input Power	15 W
Impedance	50 Ω
VSWR	≤ 2.0:1 (typ. ≤ 1.5:1)
Isolation	> 60 dB (In-band)
Bandwidth	4 MHz
Spacing Tx-Rx	> 4 MHz
Insertion Loss Tx-Ant and Ant-Rx	< 2.0 dB (typ. 1.5 dB)

ENVIRONMENTAL	
Operating temperature range	-30 °C to +60 °C

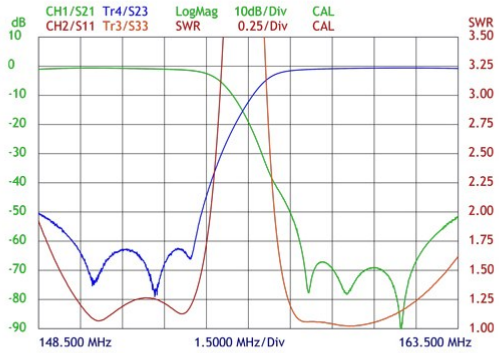
MECHANICAL	
Connection(s)	SMA(f)
Historic Brand	Amphenol Procom
Dimensions	93 x 149 x 27 mm / 3.66 x 5.86 x 1.06 in.
Weight	Approx. 0.5 kg / 1.10 lb.

ORDERING CODES

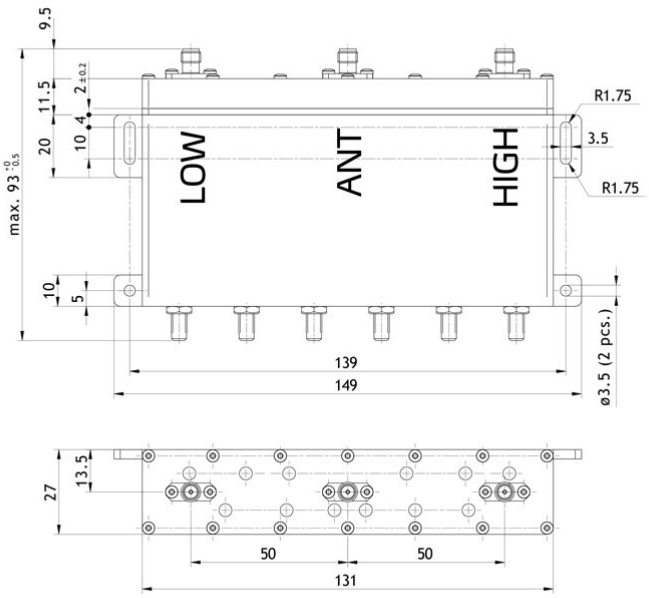
MODEL	ITEM ID
MIX 150/6	200002145

DIAGRAMS

TYPICAL RESPONSE CURVES



MOUNTING DETAILS



ADDITIONAL INFORMATION

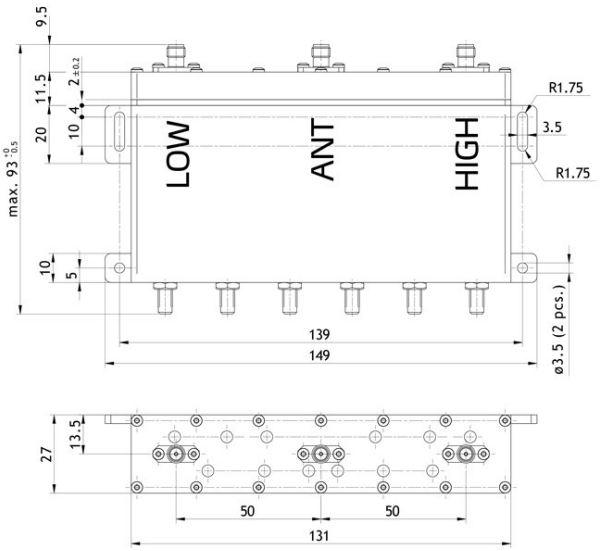
Please Note

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.

Oredring 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.

Mounting Details



All dimensions are given in mm.

Typical response curve

