

MINI SIGNAL DUPLEXER 6 CAVITIES VHF

AP6050 / AP6051 / AP6052 / AP6053



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MINI SIGNAL DUPLEXER 6 CAVITIES VHF

TECHNICAL DATA

The **AP6050 / AP6051 / AP6052 / AP6053** was designed to meet the demand of VHF repeaters with 4,6MHz spacing between reception (Rx) and transmission (Tx), ensuring clear, interference-free communication. It is made of finned brass, Teflon and high-quality aluminum, providing excellent channel isolation, low insertion loss and stability. It is fitted with international-standard female N connectors, so the duplexer is compatible with cables with male N terminations. For correct installation, identify the high-frequency (HIGH) and low-frequency (LOW) channels and connect them to the corresponding cavities.

FREQUENCIES

AP6050	136 - 150 MHz
AP6051	148- 162 MHz
AP6052	160 - 174 MHz
AP6053	144 - 156 MHz

IMPORTANT

This equipment can be calibrated at the customer's request. The calibration chart comes with the product packaging.

MECHANICAL SPECIFICATIONS

HEIGHT	40 mm
LENGTH	162 mm
WIDTH	215 mm
WEIGHT	1,362Kg



TECHNICAL SPECIFICATIONS

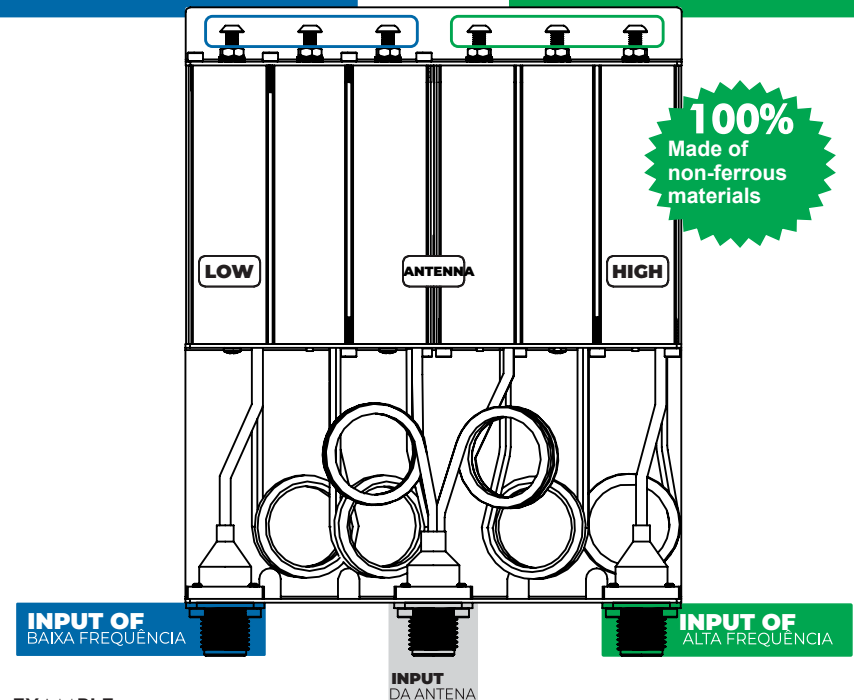
RX - TX SPACING	4,6 MHz
RX - TX ISOLATION	≥80 dB
INSERTION LOSS	1,4 dB
MAXIMUM POWER	50 W
IMPEDANCE	50 Ω
VSWR	≤ 1,5:1
CONNECTORS	FEMALE N
TEMPERATURE RANGE	-30 to 60°C

WARRANTY

This product has a 1 (one) year warranty against manufacturing defects. The warranty does not cover defects caused by improper installation or misuse. Any change to the construction of this product releases the manufacturer from its warranty obligations.

ADJUSTMENT SCREWS BAIXA FREQUÊNCIA

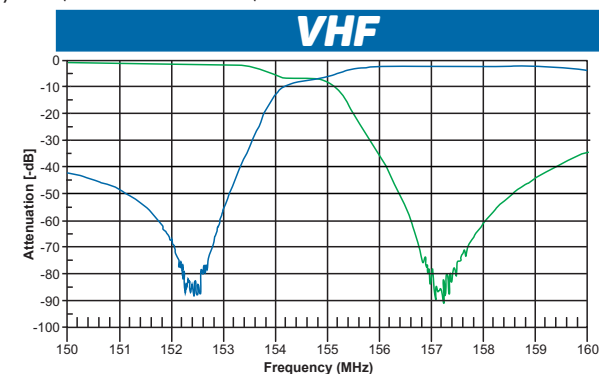
ADJUSTMENT SCREWS ALTA FREQUÊNCIA



EXAMPLE:

See below a typical response chart of the model, TX frequency: 157,1 MHz and RX: 152,5 MHz.

AP6051 tuned to



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