

Mini-Duplex for the extended TETRA Band

DESCRIPTION

- The MPX 70/44 380-EXT/406-410 is a 8-resonator small size Duplex Filter especially for Tetra Public Safety extended band radio networks. This compact “miniplexer” meets the demand for a modern, space saving, high performance filter.
- Overall the duplexer MPX 70/44 is available in a variety of different versions depending on duplex spacing, frequency, bandwidth and attenuation.
- The MPX 70/44 models are tunable within the frequency range 380 - 470 MHz The miniaturization of the filter has been realized by using special high-Q, temperature compensated helical resonators.
- The housing is made of extruded aluminium, the chassis of steel, and teflon insulation has been applied in the rigid coaxial cables and in the connectors.
- MPX 70/44 380-EXT/406-410 is coated with black vinyl to prevent corrosion.



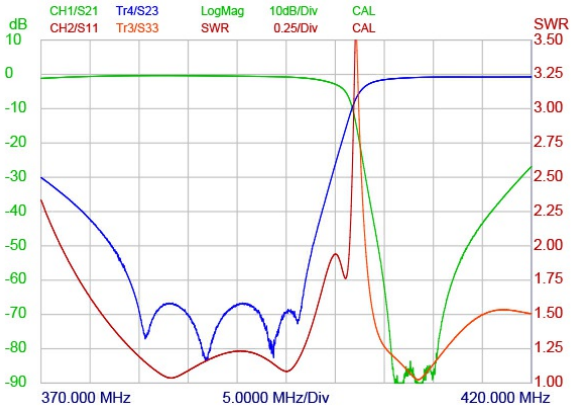
SPECIFICATIONS

Electrical	
Model	MPX 70/44 380-EXT/406-410
Frequency	380 - 396.5 MHz / 406 - 410 MHz
Max. Input Power	25 W
Insertion Loss Tx-Ant and Ant-Rx	≤ 1.5 dB
Impedance	50 Ω
Isolation Tx - Rx	≥ 60 dB
VSWR	< 1.5:1
Bandwidth	Low: 16.5 MHz High: 4.0 MHz
Mechanical	
Connection(s)	N(f) (BNC(f), TNC(f), UHF(f) or SMA(f) on request)
Dimensions	143 (excl. conn.) x 104 x 56 mm / 5.63 x 4.10 x 2.20 in.
Weight	Approx. 0.7 kg / 1.54 lb.
Environmental	
Operating Temperature Range	-30 °C to +60 °C

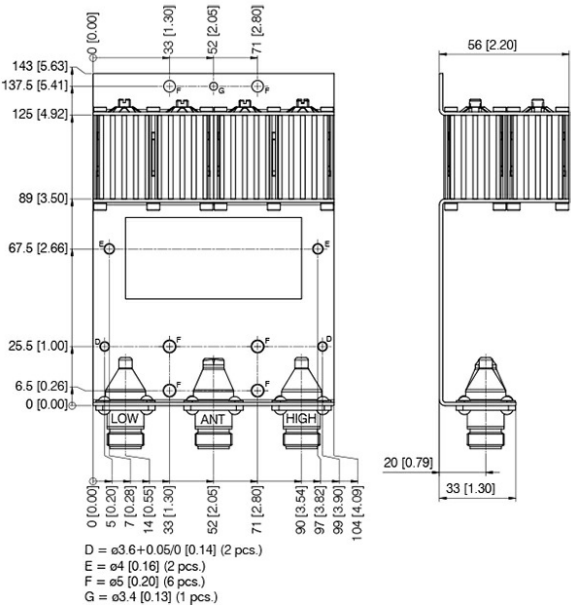
ORDERING

Model	Product No.	Frequency
MPX 70/44 380-EXT/406-410	200002903	380 - 396.5 MHz / 406 - 410 MHz

TYPICAL RESPONSE CURVE



MOUNTING DETAILS



All dimensions are given in mm [in.]