

Duplex Band-Pass Filter with 2 x 20 MHz bandwidth,
used for duplexing the TETRA bands 380 - 400 MHz &
410 - 430 MHz

DESCRIPTION

- The Duplex Band-Pass Filter PRO-DPBP 380-400/410-430 is designed to combine a Public safety TETRA network 380 - 400 MHz and a Civil/Private TETRA network 410 - 430 MHz, into one common Antenna.
- The DPBP Filter benefit from using 2 x 6 ¼ λ cavity resonators build into a compact, strong aluminium housing.
- The filter i silver plated inside, which ensures a very low insertion loss.
- Built-in DC stop between all ports.
- The compact filter can be fitted into a 19" mounting tray, 3 HU in height, 300 mm in depth.

SPECIFICATIONS

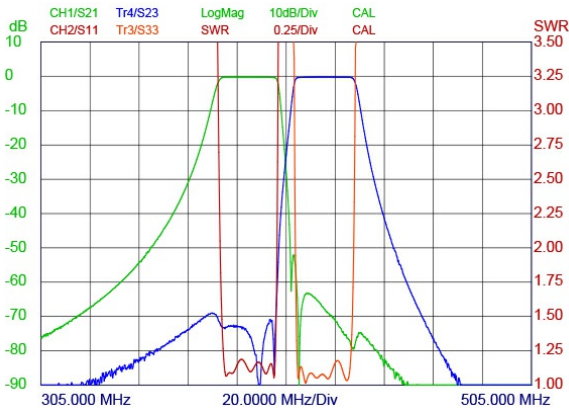
Electrical	
Model	PRO-DPBP 380-400/410-430
Frequency	Low: 380 - 400 MHz Hight: 410 - 430 MHz
Max. Input Power	200 W
Channel Spacing	10 MHz
Insertion Loss	≤ 0.7 dB (typ. ≤ 0.5 dB)
DC Stop	Yes: OC (Open Circuit)
Impedance	50 Ω
VSWR	≤ 1.5:1 (typ. ≤ 1.3:1) in all ports
Stop Band Attenuation	> 60 dB (typ. > 63 dB)
Mechanical	
Connection(s)	N(f)
Dimensions	219.6 x 218.2 (excl. conn.) x approx. 105 mm (incl. adjusting screw) / 12.58 x 8.59 x approx. 4.13 in.
Weight	Approx. 6.6 kg / 14.55 lb.
Environmental	
Operating Temperature Range	-30 °C to +60 °C

ORDERING

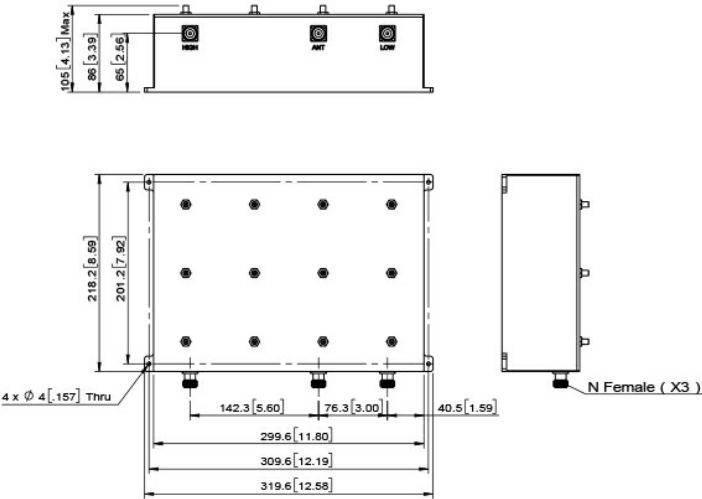
Model	Product No.	Frequency
PRO-DPBP 380-400/410-430-N(f)	200002876	380 - 400 MHz / 410 - 430 MHz



TYPICAL RESPONSE CURVES



MOUNTING DETAILS



All dimensions are given in mm [in.]