

# FP-70 Series

## UHF 450 MHz 50 Watts Band Pass Filter

For use in repeaters, full duplex radios and radio systems.

- Steel chassis with aluminium  $1/4 \lambda$  extruded cavities.
- High Q silver plated resonators.
- Easy tuning in the entire band.
- Versions for 375–400 MHz and 475–512 MHz available upon request.
- FP-7034/7035: 3 cavities
- FP-7064: 6 cavities



## ELECTRICAL SPECIFICATIONS

Type	UHF - Band Pass Filter
Frequency	400 - 470 MHz
Bandwidth	FP-7034: 2.0 MHz FP-7035: 0.5 MHz FP-7064: 5.0 MHz
Maximum Input Power	50 Watts
Insertion loss	FP-7034: $\leq 1.3$ dB FP-7035: $\leq 3.0$ dB FP-7064: $\leq 2.0$ dB
Attenuation	See curve
VSWR	$\leq 1:1.5$
Impedance	50 Ohm
Frequency Stability	9 ppm/°C (approx.)

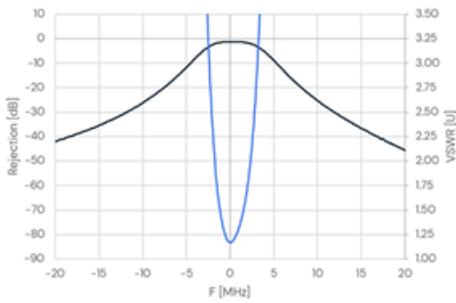
## MECHANICAL SPECIFICATIONS

Color	Black Grey (RAL7021)
Dimension	FP-7034\7035: 240 x 80 x 33 mm FP-7064: 240 x 154 x 33 mm
Weight	FP-7034\7035: 0.9 kg FP-7064: 1.7 kg
Operating Temperature	-30°C to +60°C
Connector	Type N-female
Serial no.	On product label

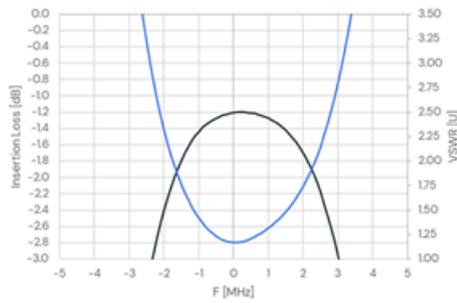
## ORDERING INFORMATION

FP-7034	Not tuned In Box
FP-7035	Not tuned In Box
FP-7064	Not tuned In Box

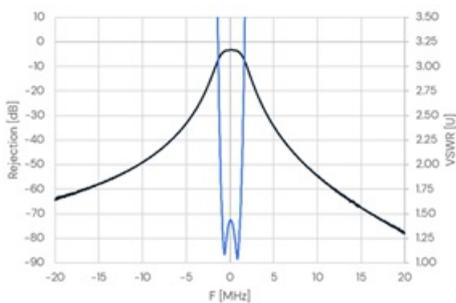
Datasheet



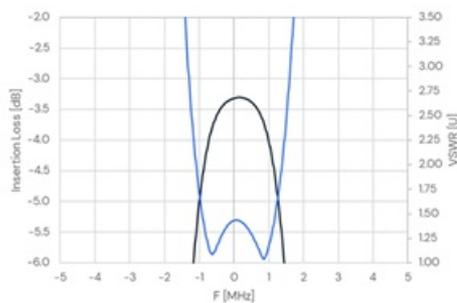
— FP-7034 - IL — FP-7034 - VSWR



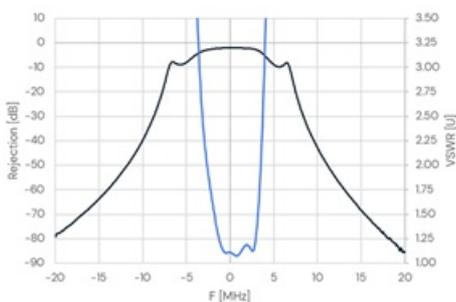
— FP-7034 - IL — FP-7034 - VSWR



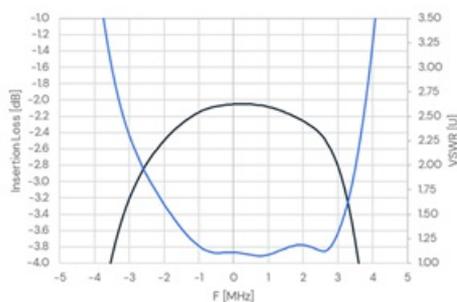
— FP-7035 - IL — FP-7035 - VSWR



— FP-7035 - IL — FP-7035 - VSWR



— FP-7064 - IL — FP-7064 - VSWR



— FP-7064 - IL — FP-7064 - VSWR