

# MODEL FFOC2-UHF



- **UHF BAND-PASS FILTER**
- **BAND UHF 474 - 862 MHz**
- **Poles Elliptical Response**

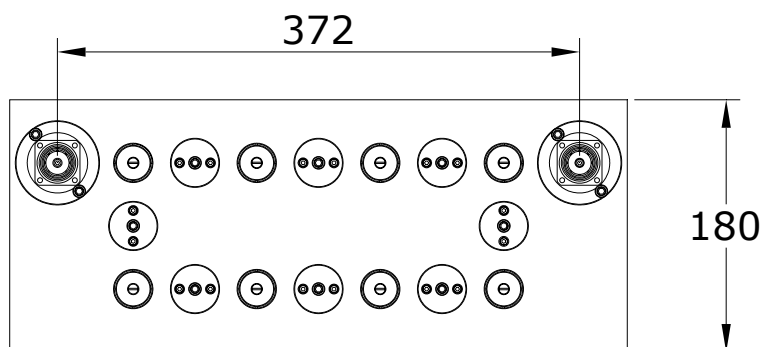
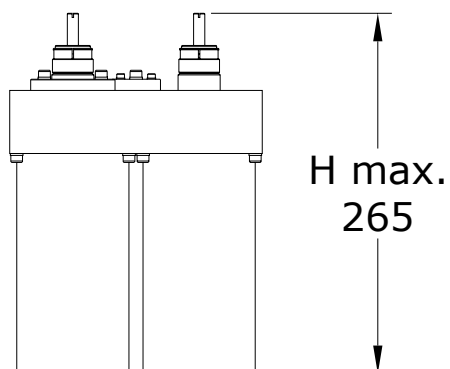
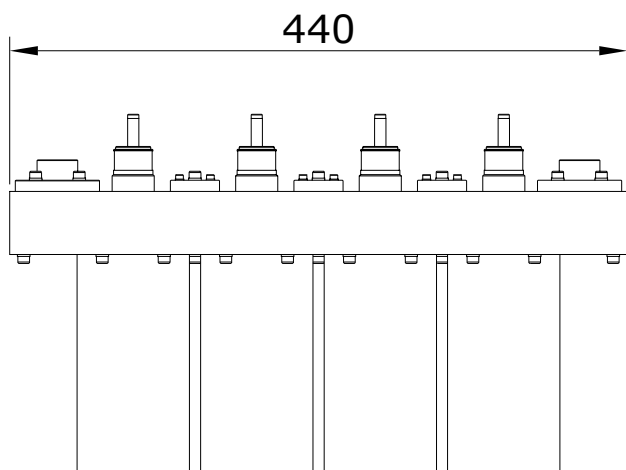
These are four standard resonant cavity filters. All the models are used to make up mixers with several channels. The band pass filters was designed as an extension of our band pass combiner technology. Using our industry-leading square, octagonal, cavity filter design, the filter provides a one-time-buy filtering solution for the broadcaster located at multiple-user site. The filter isolates the transmission system to eliminate spurious emissions.

## TYPICAL SPECIFICATIONS

<b>Model</b>	FFOC2-VHF
<b>Impedance</b>	50 ohm
<b>Frequency Range</b>	474 - 862 MHz
<b>VSWR ± 150 KHz</b>	1.1:1 Max
<b>Insertion Loss</b>	at $f_0$ < 0.26 dB @ V.C. Ch. 69 at $f_0$ < 0.24 dB @ V.C. Ch. 21
<b>Return Loss ± 150 KHz</b>	> 28 dB
<b>Group Delay Variation</b>	< 30 nS
<b>Bandwith</b>	6 to 8 MHz
<b>Selectivity</b>	> 40 dB @ V.C. -5,5/+11 MHz > 25 dB @ V.C. +11/+16,5 MHz
<b>Connectors</b>	7/16" (In - Out)
<b>Max Power</b>	2 KW
<b>Working Temperature</b>	-20°C ÷ +50°C
<b>Temperature Stability</b>	< 4 kHz / K
<b>Colour</b>	Enamel Gray Ral 7001
<b>Materials</b>	Aluminium, Brass, Copper, PTFE, Stainless Steel, Silvering (min. 12µm thickness)

## Features:

- **UHF 3 KW analog and 1 digital RMS TV output filter**
- **3D electromagnetic CAD exclusive design**
- **4 poles elliptical response: two transmission zeros for IMD suppression**
- **Foreshorten combine resonators structure; iris couplings with fine bandwidth regulation**
- **High selectivity and low loss (Typ. 0.22 dB @ V.C. Ch. 69 G)**
- **Exclusive thermal compensation technology providing high temperature stability (< 4 kHz/K)**
- **Very compact, lightweight (9.1 kg) and extremely reliable**



### No rack version

Dimensions	265(Max size)×440×180mm (10,4(Max size)×17.3×7.1 inch) (H×L×W)
Net Weight	≅ 10 Kg.

### Rack version (optional)

Panel Size	1 HE (1 HE=44,45 mm)
Net Weight	≅ 11 Kg