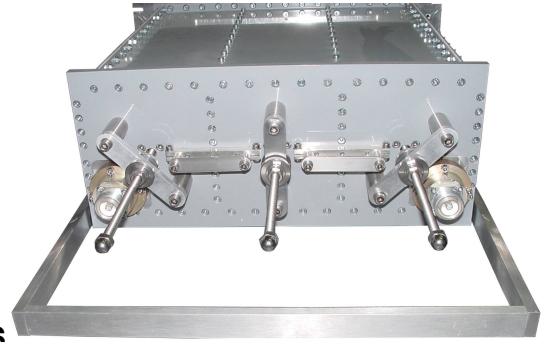


# MODEL FFC05

- **BAND-PASS FILTER**
- **FM BAND 87.5-108 MHz**
- **BAND II**



**THESE ARE THREE STANDARD RESONANT CAVITY FILTERS. ALL THE MODELS ARE USED TO MAKE UP MIXERS WITH SEVERAL CHANNELS.** Rack version (optional)

The pass band filters was designed as an extension of our band pass combiner technology. Using our industry-leading square, 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>	FFC05
<b>Impedance</b>	50 ohm
<b>Frequency Range</b>	87.5-108 MHz
<b>VSWR ± 150 KHz</b>	1.1:1 Max
<b>Insertion Loss</b>	at $f_0$ 0.58 dB Max
<b>Return Loss ± 150 KHz</b>	≤ -26dB
<b>Rejection</b>	per customer's requirements (Typical ± 1MHz it's even to -14dB)
<b>Connectors</b>	N-7/16" Input-Output Option 7/8" EIA
<b>Max Power</b>	500W
<b>Working Temperature</b>	-20°C ÷ +50°C
<b>Colour</b>	Enamel Gray Ral 7001
<b>Materials</b>	Aluminium, Brass, Copper, PTFE, Stainless Steel, Silvering (min. 12µm thickness)

### Features:

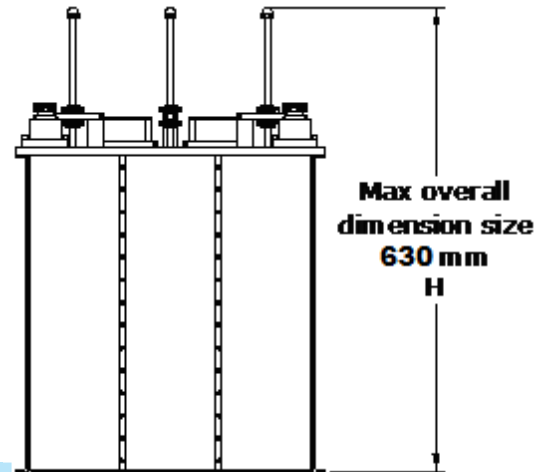
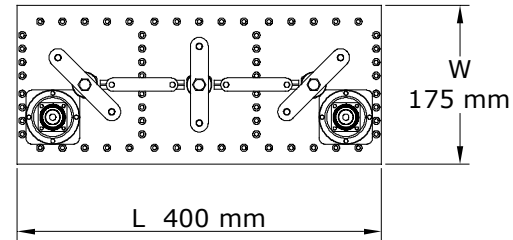
- Distortion – Free Transmission
- Standard configuration of 3 cavities
- Low loss, high isolation
- Natural convection

### No rack version

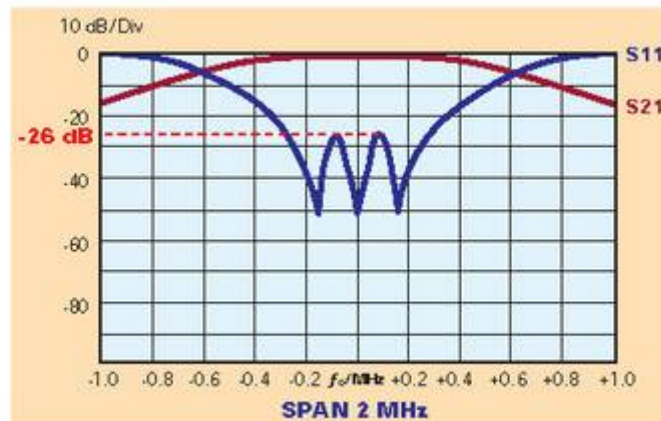
<b>Dimensions</b>	630(Max size)×400×175 mm (24.8(Max size)×15.7×6.9 inch) (H×L×W)
<b>Net Weight</b>	≅ 19 Kg

### Rack version (optional)

<b>Panel Size</b>	4 HE (1 HE=44,45 mm)
<b>Net Weight</b>	≅ 20 Kg



Typical shape of a curves for S11 and S12 parameters



"These specifications are subject to change without notice"