

# MODEL FFC08I-FFC2I-FFC2I/78

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

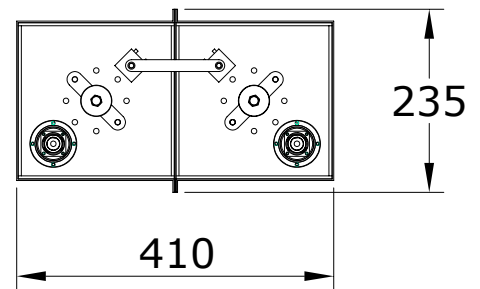
**THESE ARE TWO STANDARD RESONANT CAVITY FILTERS, AND IN SPECIAL VERSION WITH 3 AND 4. ALL THE MODELS ARE USED TO MAKE UP MIXERS WITH SEVERAL CHANNELS.**

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

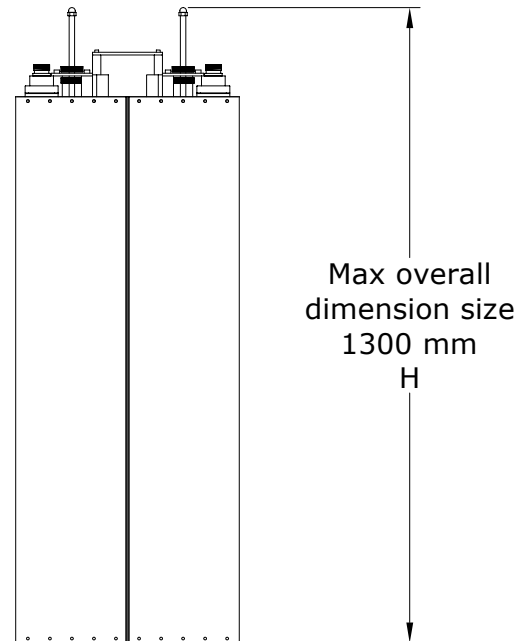
|                              |   |
|------------------------------|---|
| <b>Models</b>                | FFC08I-FFC2I-FFC2I/78   |
| <b>Impedance</b>             | 50 ohm  |
| <b>Frequency Range</b>       | 87.5-108 MHz  |
| <b>VSWR ± 150 KHz</b>        | 1.1:1 Max   |
| <b>Insertion Loss</b>        | at $f_0$ 0.28 dB Max  |
| <b>Return Loss ± 150 KHz</b> | ≤ -26dB   |
| <b>Rejection</b>             | per customer's requirements<br>(Typical ± 1MHz it's even to -14dB)                        |
| <b>Connectors</b>            | FFC08I - N Input-Output<br>FFC2I - 7/16" Input-Output<br>FFC2I/78 - 7/8" EIA Input-Output |
| <b>Max Power</b>             | 2KW (FFC2I-FFC2I/78)<br>800 Watts (FFC08I)  |
| <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 2 cavities
- Special configuration 3 and 4 cavities
- Low loss, high isolation
- Natural convection

|                   |   |
|-------------------|---|
| <b>Dimensions</b> | 1300(Max size)×410×235 mm (51.2(Max size)×16.1×9.2 inch) (H×L×W)<br>≅ 20 Kg (double cavity) |
|-------------------|---|



Typical shape of a curves for S11 and S21 parameters

