



## FFC2IELF

- 1 KW Band Pass Filter
- FM Band 87.5-108 MHz

### OVERVIEW

Standard resonant band pass cavity filters, available in 2, 3 or 4 cavity versions. Using our industry-leading band pass cavity filter design, they provide a one-time-buy filtering solution for broadcasters located at sites with multiple users. These filters minimize intermodulation & spurious emissions from transmission systems. The filters can be used to build combiners for two or more frequencies/channels.

### FEATURES

- Modular design
- Distortion-free operation
- 4 cavity version standard configuration
- Low loss, high isolation
- Air cooling
- 2, 3, 4 or more cavity versions available

### TYPICAL SPECIFICATIONS

<b>Model</b>	FFC2IELF
<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 $f_0$ 0.9 – 1.5 dB Max
<b>Return Loss ±150 KHz</b>	≤ -26 dB
<b>Rejection</b>	Per customer's requirements (Typical ± 350 KHz It's even to -30dB approx.)
<b>Connectors</b>	N – 7/16" – 7/8" on customer request
<b>Power Rating</b>	1 KW with 7/16" – 7/8" connectors 800 W with N Connector
<b>Temperature Range</b>	-20°C to +50°C
<b>Color</b>	Enamel Gray RAL 7001
<b>Materials</b>	Aluminum, Brass, Copper, PTFE, Stainless Steel, Silver plating (min 12 µm thickness)
<b>Dimensions</b>	1300 (max height) x 470 x 406 mm (H x W x D) 51.1 (max height) x 18.5 x 15.9 in (H x W x D)
<b>Net Weight</b>	approximately 50 Kg / 111 Lbs

Specifications are subject to change without notice  
Picture shows the four cavity version

