

# MODEL FFC03 VHF (DOUBLE) FFCS03 VHF (SINGLE) FFCT03 VHF (TRIPLE)

- **BAND-PASS FILTER**
- **BAND VHF 300-320 MHz**



THESE ARE TWO STANDARD RESONANT CAVITY FILTERS, AND IN SPECIAL VERSION WITH 3 AND 4 IT.

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.

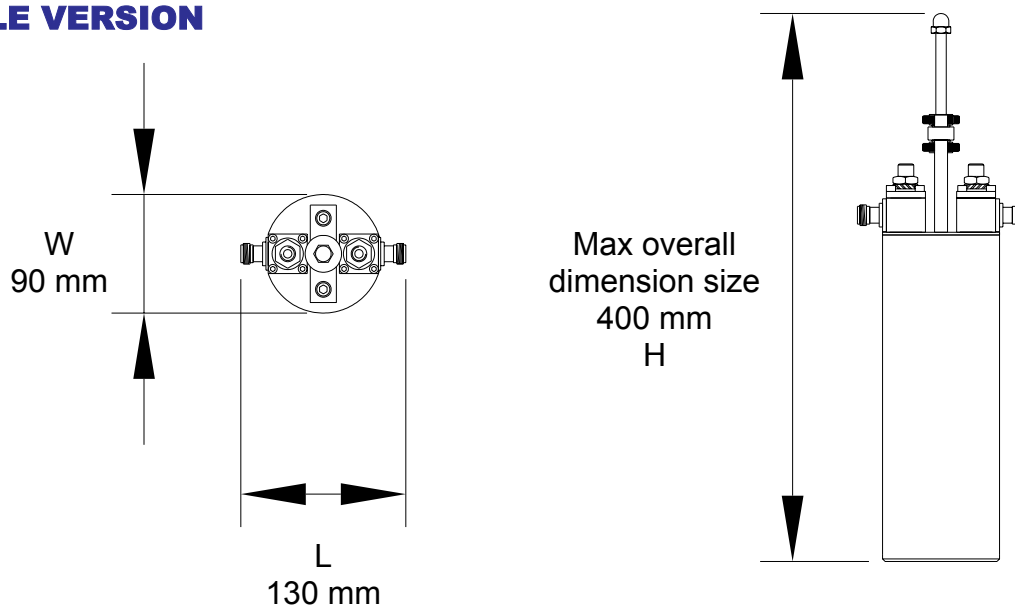
## TYPICAL SPECIFICATIONS

<b>Model</b>	FFC03 VHF (FFCS03 VHF – FFCT03 VHF)
<b>Impedance</b>	50 ohm
<b>Frequency Range</b>	300-320 MHz
<b>VSWR</b>	1.1:1 Max
<b>Insertion Loss</b>	at $f_0$ 0.4 dB (Typical Single)
<b>Return Loss <math>\pm 150</math> KHz</b>	$\leq -26$ dB
<b>Rejection</b>	per customer's requirements (Typical $\pm 1$ MHz it's even to $-8$ dB) (Double)
<b>Connectors</b>	N Input-Output
<b>Max Power</b>	200 W
<b>Working Temperature</b>	$-30^{\circ}\text{C} \div +60^{\circ}\text{C}$
<b>Colour</b>	Enamel Gray Ral 7001
<b>Materials</b>	Aluminium, Brass, Copper, PTFE, Stainless Steel, Silvering (min 12 $\mu$ m thickness)

## Features:

- **Distortion – Free Transmission**
- **Standard configuration of 2 cavities**
- **Special configuration 4 cavities or Notch**
- **Low loss, high isolation**
- **Natural convection**

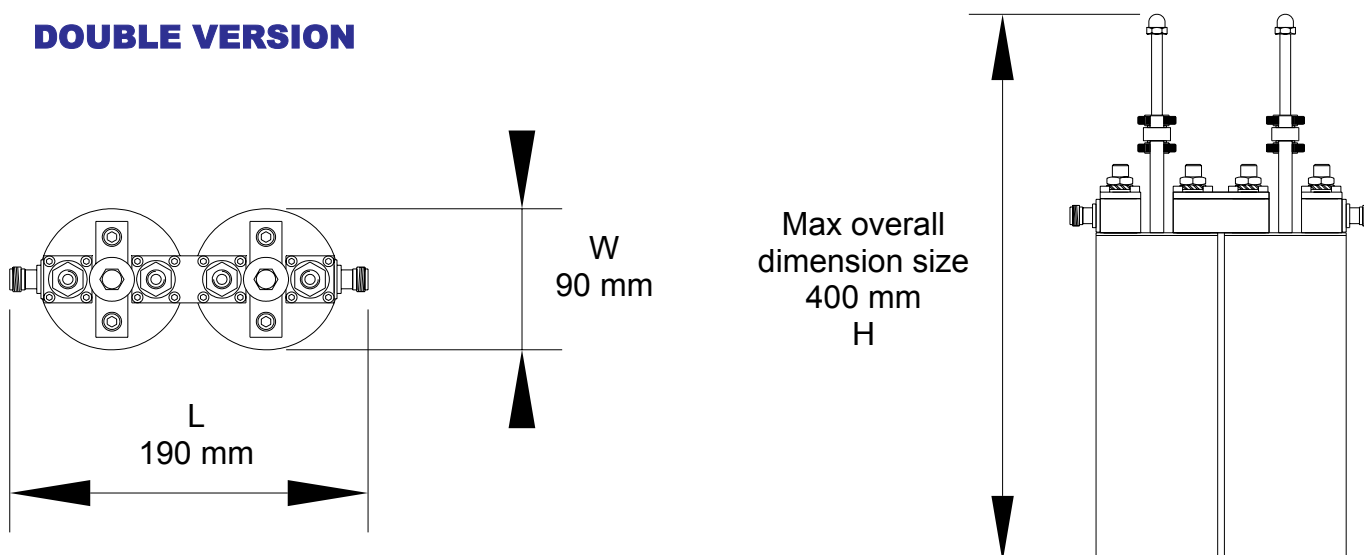
## SINGLE VERSION



### No rack version

<b>Dimensions</b>	400(Max size)×130×90mm (15,7(Max size)×5.1×3.5 inch) (H×L×W)
<b>Net Weight</b>	≅ 2,5 Kg (Double)

## DOUBLE VERSION



### No rack version

<b>Dimensions</b>	400(Max size)×190×90mm (15,7(Max size)×7.5×3.5 inch) (H×L×W)
<b>Net Weight</b>	≅ 5 Kg (Double)

### Rack version (optional)

<b>Panel Size</b>	2 HE (1 HE=44,45 mm)
<b>Net Weight</b>	≅ 5,2 Kg (Double)