

# Model FDDPDC1-5.5 - FDDPDC2-5.5

- 2 Channel Combiner
- Constant Impedance Type
- FM Band 87.5-108 Mhz

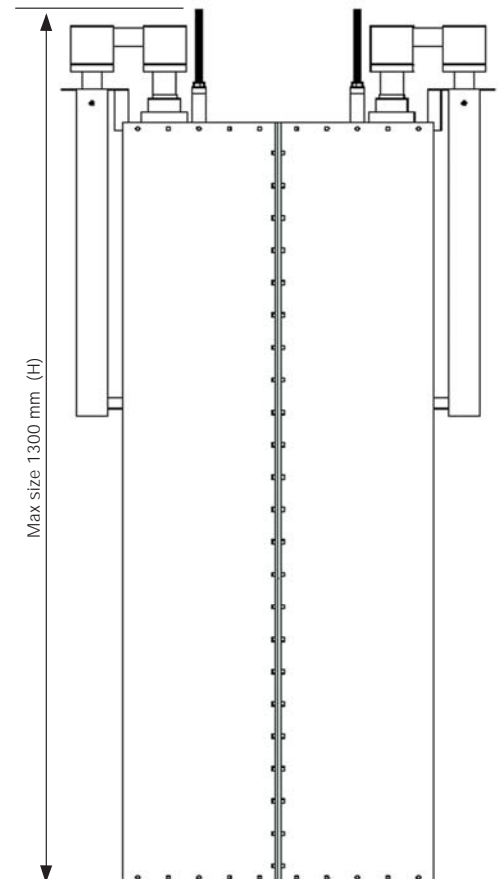
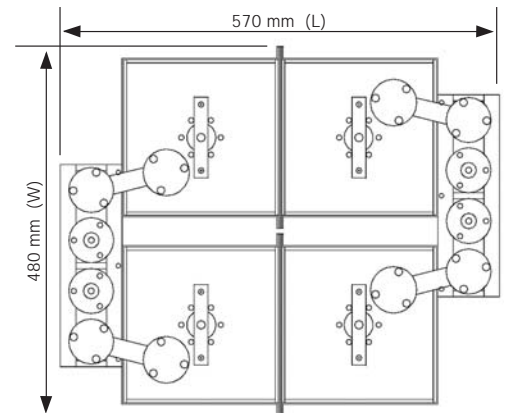
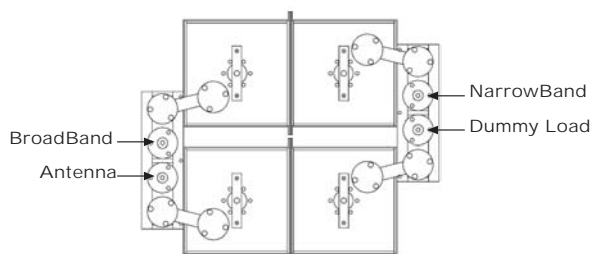
A constant impedance combiner consists of two or more band pass filters, two 3dB couplers and a dummy load. One or more inputs is/are narrow band, while the remaining input(s) can be broadband. Input impedance is not frequency dependent.

## TYPICAL SPECIFICATIONS

<b>Model</b>	FDDPDC1-5.5 - FDDPDC2-5.5 – Type CONSTANT IMPEDANCE
<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 $f_0$ 0.3 dB Max (Narrow Band Input) 0.1 dB Max (Broad Band Input)
<b>Return Loss ±150 KHz</b>	≤ -26 dB
<b>Isolation ±1.5 MHz</b>	NB to BB ≥30dB, BB to NB ≥ 40dB
<b>No. of input</b>	2 (NarrowBand+BroadBand)
<b>No. of output</b>	1
<b>Connectors</b>	Input 7/16" (FDDPDC1-5.5) Input 7/8" EIA (FDDPDC2-5.5) 7/8" EIA Output
<b>Max Power</b>	1000 W x 2 Channels (FDDPDC1-5.5) 2000 W x 2 Channels (FDDPDC2-5.5)
<b>Temperature Range</b>	-20°C + +50°C
<b>Color</b>	Enamel gray ral 7001
<b>Materials</b>	Aluminium, silver brass, copper, PTFE, stainless steel, silver plated (min 12μ thickness)

- Distortion – Free
- Custom configurations available
- Low loss, high isolation
- Natural convection
- ▶ Optional group delay equalizer
- Input impedance not frequency dependent
- ▶ The frequency at the broadband input can be changed without returning  
i the bandpass cavity filters.

<b>Dimensions</b>	1300(Max size) x 570 x 480 mm (51.2(Max size) x 22.4 x 18.9 inch) (H x L x W)
<b>Net Weight</b>	≅ 50 Kg



"These specifications are subject to change without notice"