

# Model FDDPDC2-5.15

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

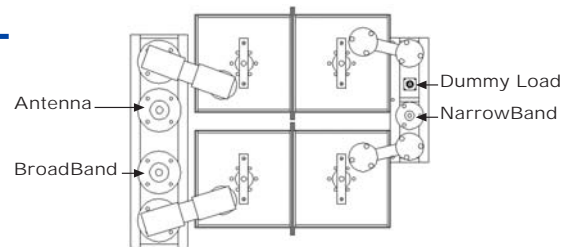
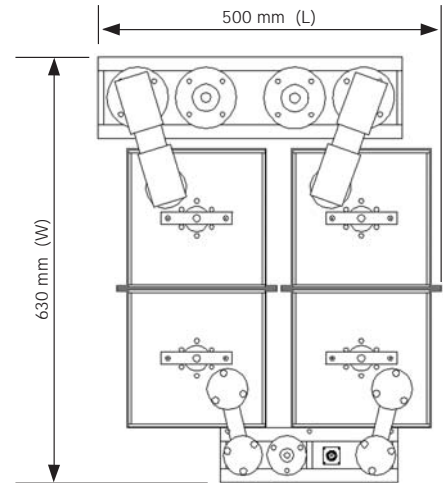
A constant impedance combiners consists of two or more band pass filters, two 3dB couplers and a dummy load. One or more inputs is/are narrow band, while the remaining input(s) can be broadband. Input impedance is not frequency dependent.

## TYPICAL SPECIFICATIONS

<b>Model</b>	FDDPDC2-5.15 – 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) 0.08 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 7/8" NarrowBand Input 1+5/8" BroadBand Output 1+5/8"
<b>Max Power</b>	4 KW NarrowBand 8 KW BroadBand
<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 bandpass cavity filters

<b>Dimensions</b>	1300(Max size) x 630 x 500 mm (51.2(Max size) x 24.8 x 19.7 inch) (H x L x W)
<b>Net Weight</b>	≈ 52 Kg



"These specifications are subject to change without notice"