

# Model FQDPDC2

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

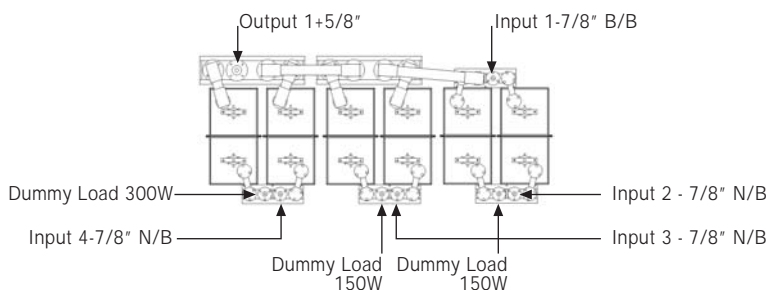
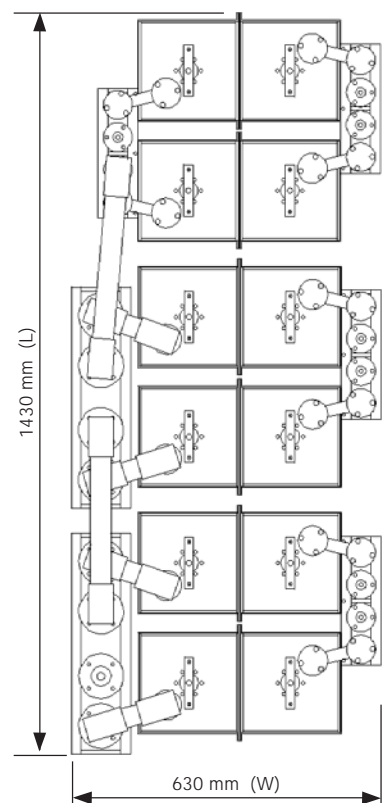
A constant impedance combiner consists of two or more band pass filters, two 3dB couplers and a dummy load. One or more inputs is/are narrow band, while the remaining input(s) can be broadband. Input impedance is not frequency dependent.

## TYPICAL SPECIFICATIONS

<b>Model</b>	FQDPDC2 – 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 $f_0$ 0.5 dB Max (Narrow Band Input 2) at $f_0$ 0.4 dB Max (Narrow Band Input 3) at $f_0$ 0.3 dB Max (Narrow Band Input 4) 0.2 dB Max (Broad Band Input 1)
<b>Return Loss ±150 KHz</b>	≤ -26 dB
<b>Isolation ±1.5 MHz</b>	NB to BB ≥ 30dB, BB to NB ≥ 40dB, NB to NB ≥ 40dB
<b>No. of input</b>	4 (3 NarrowBand + 1 BroadBand)
<b>No. of output</b>	1
<b>Connectors</b>	7/8" EIA Narrow Band Input 7/8" eia Broad Band Input 1+5/8" Output
<b>Max Power</b>	3 KW x 4 Channels
<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 configuration 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>	1400(Max size) x 1430 x 630 mm (55.1(Max size) x 56.3 x 24.8 inch) (H x L x W)
<b>Net Weight</b>	≈ 145 Kg



"These specifications are subject to change without notice"