

# Model FDDPTC1/C

- 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 both inputs is/are narrow band while the remaining input(s) can be broadband. Input impedance is not frequency dependent.

## TYPICAL SPECIFICATIONS

<b>Model</b>	FDDPTC1/C – 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 $f_0$ 0.65 dB Max (Narrow Band Input) 0.1 dB Max (Broad Band Input)
<b>Return Loss ±150 KHz</b>	≤ -26 dB
<b>Isolation ±1.2 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>	7/16" Input 7/8" EIA Output
<b>Max Power</b>	1000 W X 2 CHANNELS
<b>Temperature Range</b>	-20°C + +50°C
<b>Color</b>	Enamel black
<b>Materials</b>	Aluminium, silver brass, copper, PTFE, stainless steel, silver plated (min 12μ thickness)

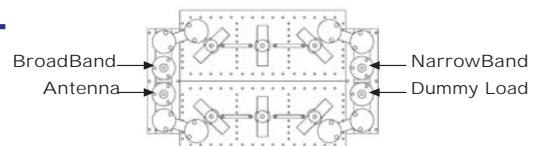
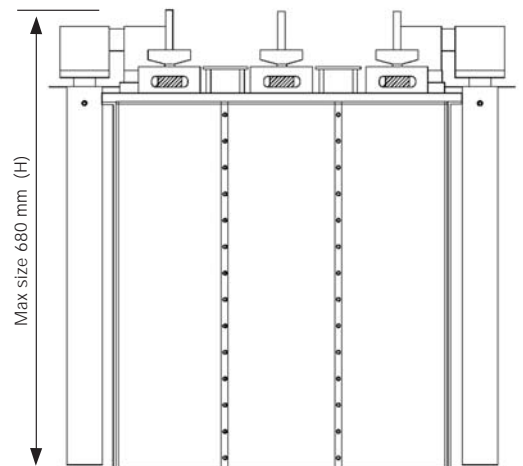
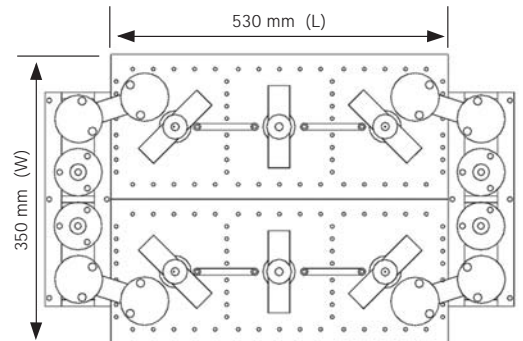
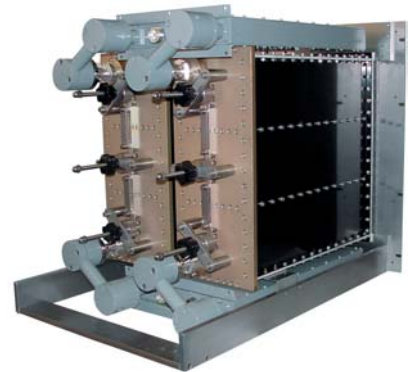
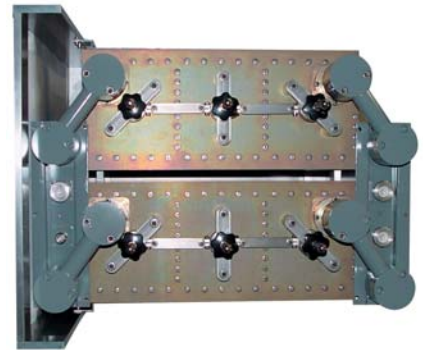
- Distortion – Free
- Custom configurations available
- Low loss, high isolation
- Natural convection
- ▶ Optional group delay equalizer
- Input Impedance not frequency dependent
- ▶ The frequency at the broadband input can be changed without returning the bandpass cavity filters.

### No Rack Version

<b>Dimensions</b>	680(Max size)x530x350mm (26.8(Max size)x20.9x13.8 inch) (HxLxW)
<b>Net Weight</b>	≅ 60 Kg

### Rack Version (optional)

<b>Panel Size</b>	12 HE (1 HE = 44.45 mm)
<b>Net Weight</b>	≅ 60 Kg



"These specifications are subject to change without notice"