

Model FDDPTC05

- 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

Model	FDDPTC05 – Type CONSTANT IMPEDANCE
Impedance	50 Ohm
Frequency Range	87.5+108 MHz
VSWR ±150 KHz	1.1:1 Max
Insertion Loss	at f_0 0.65 dB Max (Narrow Band Input) 0.1 dB Max (Broad Band Input)
Return Loss ±150 KHz	≤ -26 dB
Isolation ±1.2 MHz	NB to BB ≥ 30dB, BB to NB ≥ 40dB
No. of input	2 (NarrowBand+BroadBand)
No. of output	1
Connectors	N Input 7/16" Output
Max Power	600 W X 2 CHANNELS
Temperature Range	-20°C + +50°C
Color	Enamel gray ral 7001
Materials	Aluminium, silver brass, copper, PTFE, stainless steel, silver plated (min 12μ thickness)

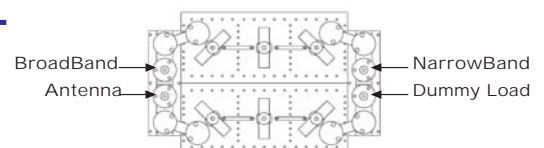
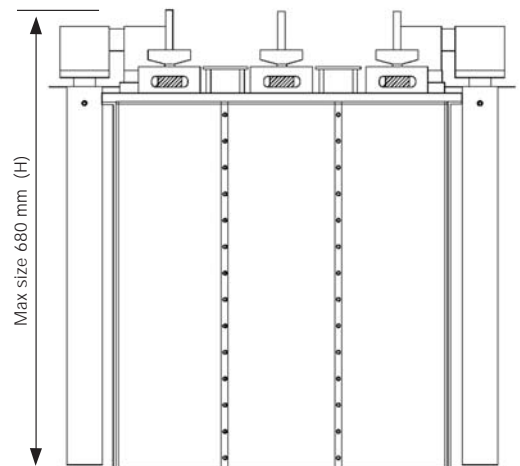
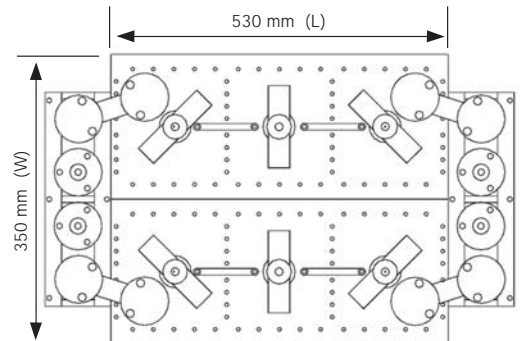
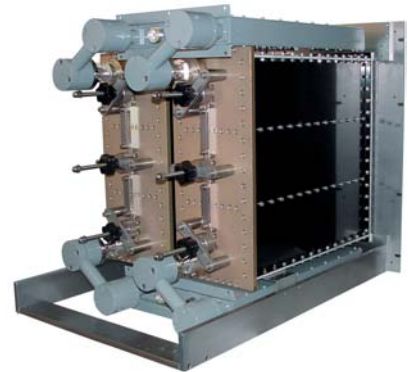
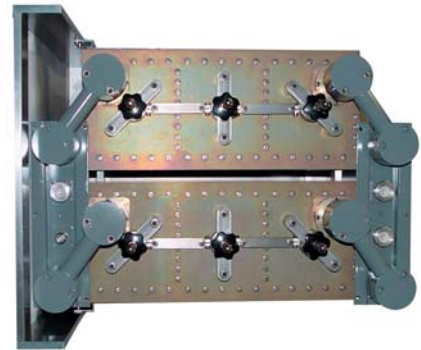
- Distortion – Free Transmission
- Double Balanced Bridge system with pass stop
- Frequency independent input impedance
- Low loss, high isolation
- Natural convection
- Optional group delay equalizer
- The frequency at the broadband input can be varied without retuning of the bandpass cavity filters.

No Rack Version

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

Rack Version (optional)

Panel Size	12 HE (1 HE = 44.45 mm)
Net Weight	≅ 60 Kg



"These specifications are subject to change without notice"