

Model FDDPTC1 / C

- **Combiner 2 Channels**
- **Double Balanced Bridge**
- **FM Band 87.5÷108 Mhz**
- **Band II**

The double balanced bridge system consist of two band-pass filter, two -3dB coupler and a absorber. One of both inputs has a narrow-band characteristic (complying with the pass-band functions of the bandpass filters), while the remaining input features a broadband characteristic within the operating frequency range of -3dB couplers, both inputs exhibits a frequency independent load impedance to the RF source.

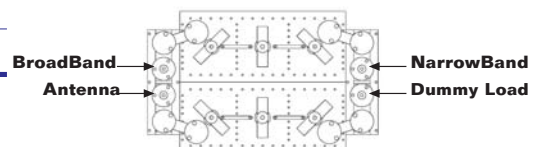
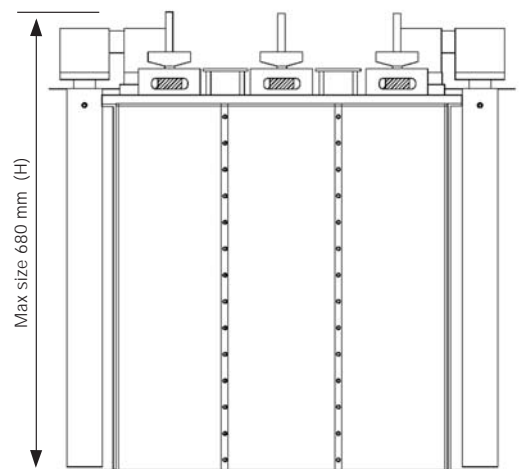
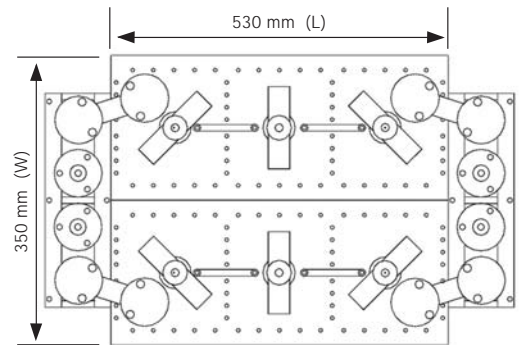
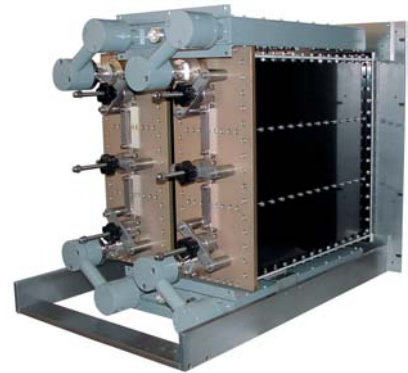
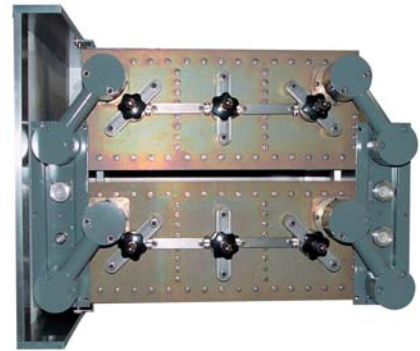
TYPICAL SPECIFICATIONS	
Model	FDDPTC1/C – Type DOUBLE BRIDGE
Impedance	50 Ohm
Frequency Range	87.5+108 MHz
VSWR ±150 KHz	1.1:1 Max
Insertion Loss	at f_0 0.65 dB Max (Narrow Band Input) 0.1 dB Max (Broad Band Input)
Return Loss ±150 KHz	≤ -26 dB
Isolation ±2.5 MHz	≤ 30 dB
No. of input	2 (NarrowBand+BroadBand)
No. of output	1
Connectors	7/16" Input 7/8" EIA Output
Max Power	1000 W X 2 CHANNELS
Working Temperature	-20°C + +50°C
Colour	Enamel black
Materials	Aluminium, silver brass, copper, PTFE, stainless steel, silver plated (min 12μ thickness)

Features:

- Distortion – Free Transmission
- Double Balanced Bridge system with pass stop
- Frequency independent input impedance
- The frequency at the broadband input can be varied without retuning of the pass-band cavity filters.
- The broadband input can be used as spare input for expansion without requiring modification of the existing pass-band cavity filters
- If only narrow band input is being used, an extremely high coupling attenuation (directional coupler attenuation plus filter attenuation) can be achieved for very small frequency spacings.

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"