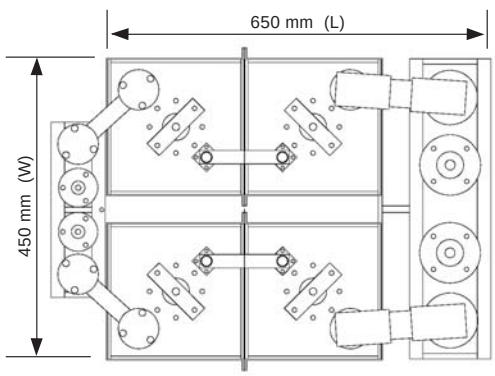
Model FDDPDC3-5.15

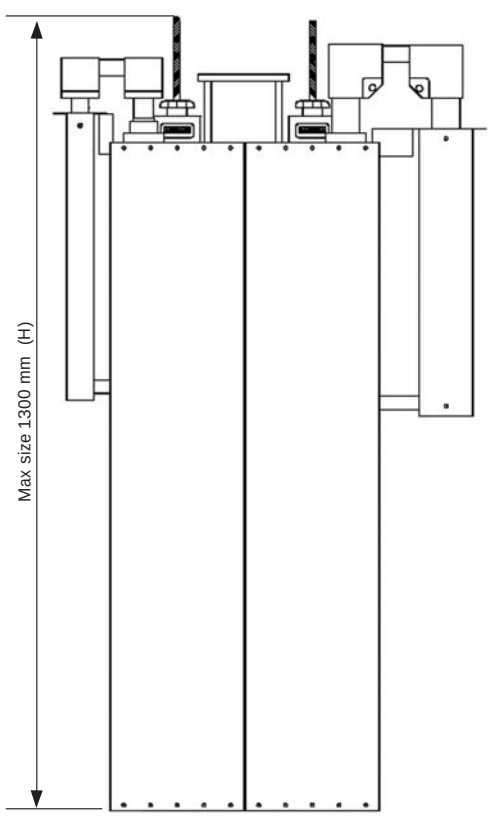
- 2 Channel Combiner
- Constant Impedance Type
- FM Band 87.5-108 Mhz

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

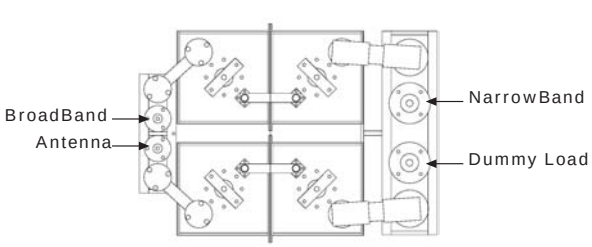
Model	FDDPDC3-5.15 – Type CONSTANT IMPEDANCE
Impedance	50 Ohm
Frequency Range	87.5÷108 MHz
VSWR ±150 KHz	1.1:1 Max
Insertion Loss	at f_0 0.25 dB Max (Narrow Band Input) 0.1 dB Max (Broad Band Input)
Return Loss ±150 KHz	≤ -26 dB
Isolation ±1.2 MHz	NB to BB ≥ 30dB, BB to NB ≥ 40dB
No. of input	2 (NarrowBand+BroadBand)
No. of output	1
Connectors	7/8" EIA Narrow Band Input 1+5/8" Broad Band Input 1+5/8" Output
Max Power	4 KW on narrow-band - 8 KW on broadband
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
- Custom configurations avilable
- 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.

Dimensions	1300(Max size) x 650 x 450 mm (51.2(Max size) x 25.5 x 17.7 inch) (H x L x W)
Net Weight	≅ 65 Kg



"These specifications are subject to change without notice"

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