

# Model FDDPTC1-5.5/F-FDDPTC2-5.5/F

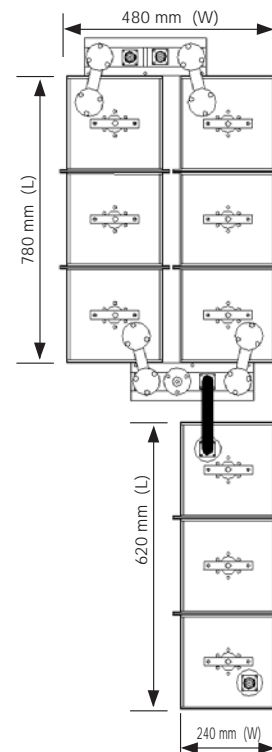
- 2 Channel Combiner
- Constant Impedance Type
- FM Band 87.5-108 Mhz

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	FDDPTC1-5.5/F-FDDPTC2-5.5/F – Type CONSTANT IMPEDANCE
Impedance	50 Ohm
Frequency Range	87.5-108 MHz
VSWR $\pm 150$ KHz	1.1:1 Max
Insertion Loss	at $f_0$ 0.45 dB Max on input 1 at $f_0$ 0.45 dB Max on input 2
Return Loss $\pm 150$ KHz	$\leq -26$ dB
Isolation $\pm 1.5$ MHz	NB to BB $\geq 30$ dB, BB to NB $\geq 40$ dB
No. of input	2
Connectors	Input 7/16" (FDDPDC1-5.5/F) Input 7/8" EIA (FDDPDC2-5.5/F) 7/8" EIA Output
Max Power	1000 W 2 Channels (FDDPDC1-5.5/F) 2000 W 2 Channels (FDDPDC2-5.5/F)
Temperature Range	-20°C $\pm$ +50°C
Color	Enamel gray ral 7001
Materials	Aluminium, silver brass, copper, PTFE, stainless steel, silver plated (min 12 $\mu$ 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



Double Bridge Dimensions	1300(Max size) x 780 x 480 mm (51.2(Max size) x 22.4 x 18.9 inch) (H x L x W)
Double Bridge Net Weight	70 Kg
Filter Dimensions	1300(Max size) x 610 x 235 mm (51.2(Max size) x 22.4 x 18.9 inch) (H x L x W)
Filter Net Weight	35 Kg

"These specifications are subject to change without notice"