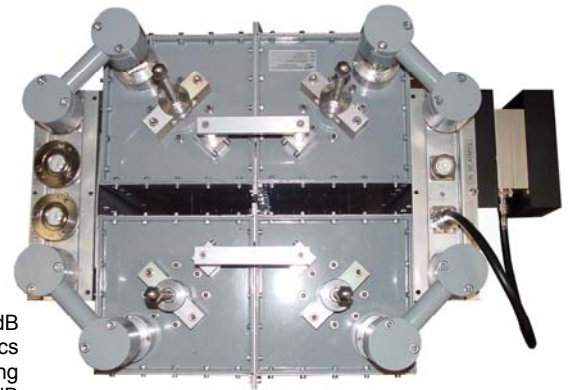


MODEL FDDPDC2-AA

- **2 CHANNELS COMBINER**
- **DOUBLE BALANCED BRIDGE**
- **FM BAND 87.5÷108 MHz**
- **BAND II**



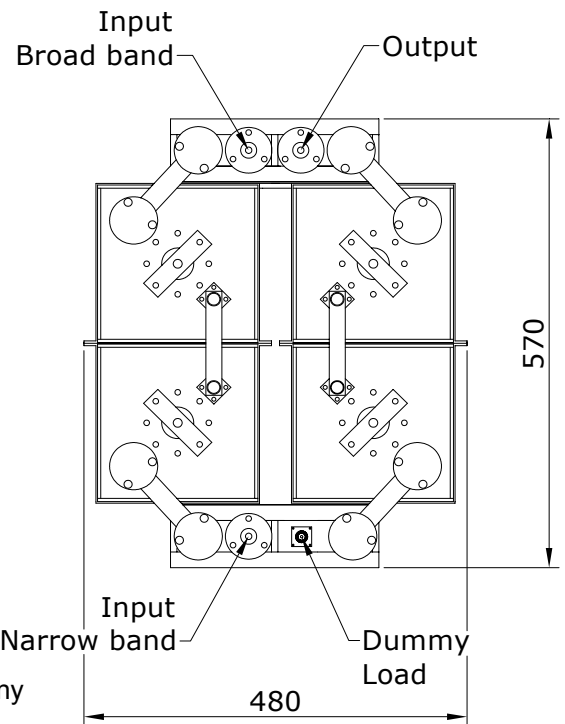
The Double Balanced Bridge System consists of two Band Pass Filters, two -3dB couplers and an absorber. One of both inputs has narrow-band characteristics (complying with the band-pass functions of the band-pass filters), while the remaining input features broadband characteristics within the operating frequency range of -3dB couplers, both inputs exhibit a frequency independent load impedance to the RF source.

TYPICAL SPECIFICATIONS

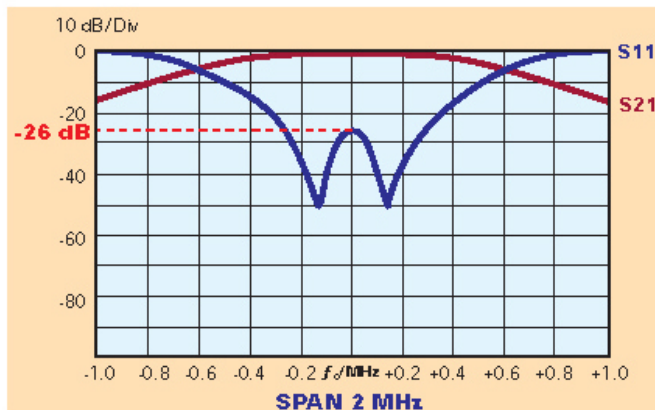
Model	FDDPDC2-AA - Double Bridge Type
Impedance	50 Ohm
Frequency Range	87.5-108 MHz
VSWR ± 150 KHz	1.1:1 max
Insertion Loss	at f_0 0.25 dB Max (Narrow Band Input) 0.1 dB Max (Broad Band Input)
Return Loss ± 150 KHz	≤ -26 dB
Isolation ± 1.8 MHz	≥ 32 dB
No. of Inputs	2 (NarrowBand + BroadBand)
No. of Outputs	1
Connectors	7/16" (Opt. 7/8") Narrow Band Input 7/16" (Opt. 7/8") Broad Band Input 7/8" (Opt. 1+5/8") Output
Max Power	1 (2) KW on Narrow Band Input 4 (5) KW on Broad Band Input
Working Temperature	-20°C ÷ +50°C
Colour	Enamel Gray Ral 7001
Materials	Aluminium, Brass, Copper, PTFE, Stainless Steel, Silvering (min 12µm thickness)

Features:

- Distortion – Free Transmission
- Double Balanced Bridge System
- Frequency Independent Input Impedance
- Frequency at broadband input can be varied without retuning any band-pass cavity filter
- Broadband input can also be used as spare input for expansion without requiring modifications of existing band-pass cavity filters
- Low loss, High Isolation



Dimensions	1300(Max size)×570×480 mm (51.2(Max size)×22.44×18.9 inch) (H×L×W)
Net Weight	≈58 Kg



Typical shape of a curves for S11 and S12 parameters for single filter

“These specifications are subject to change without notice”

