

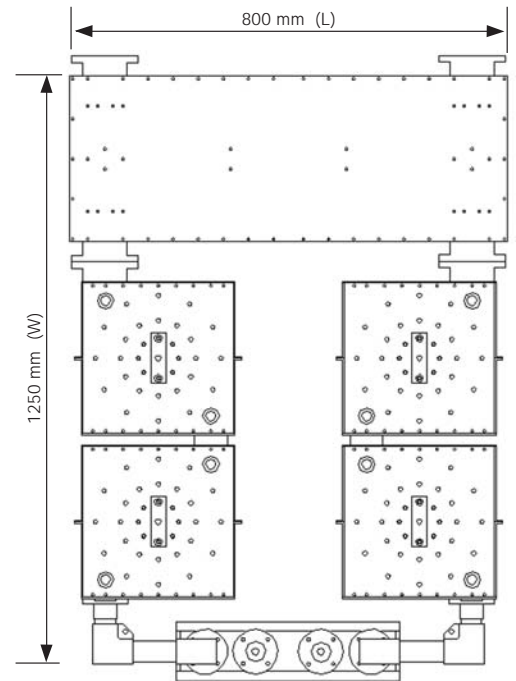
- 2 Channel Combiner
- Constant Impedance type
- FM Band 87.5-108 Mhz

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.

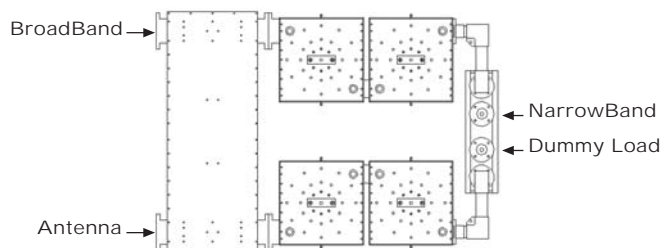
TYPICAL SPECIFICATIONS

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|-----------------------------|---|
| Model | FDDPDC5-15.45 – 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 | NarrowBand Input 1+5/8" (Opt 7/8" EIA) BroadBand Input 3+1/8" Output 3+1/8" (Opt. 4+1/8") |
| Max Power | 10KW on NarrowBand Input 30KW on BroadBand Input (only 4+1/8" output connector) |
| 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 configuration 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



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|-------------------|--|
| Dimensions | 1400(Max size) x 1250 x 880 mm (55.1(Max size) x 49.2 x 34.6 inch) (H x L x W) |
| Net Weight | ≈ 115 Kg |



"These specifications are subject to change without notice"