

FM 2/3/4 poles CIB combiner • ≤ 4 kW NB

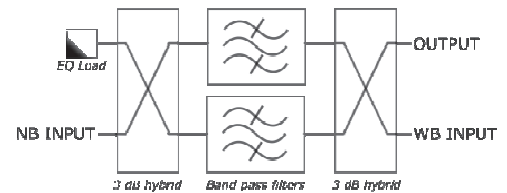
**Electrical Specifications**

Order of the bandpass filters	2	3	4
Frequency range	87.5-108 MHz		
Type	Constant impedance		
Impedance	50 Ohm		
Recommended min freq. spacing <sup>(1)</sup>	1.6 MHz	1.1 MHz	0.9 MHz
Max. power handling (NB/WB/Output) DP12-202 - DP12-204 - DP12-230	2/2/2 kW - 2/12/12 kW - 4/12/12 kW		
Input connectors (NB/WB) DP12-202 DP12-204 DP12-230	DIN 7/16 (F) / DIN 7/16 (F) DIN 7/16 (F) / 1 5/8" Unfl. 1 5/8" Unfl. / 1 5/8" Unfl.		
Output connector DP12-202 DP12-204 DP12-230	DIN 7/16 (F) 1 5/8" Unfl.		
VSWR	Narrowband input	≤ 1.05:1 at carrier fc	
	Wideband input	≤ 1.10:1	
Insertion loss	Narrowband input	≤0.35dB (fc)	≤0.55dB (fc) ≤0.75dB (fc)
	Wideband input	≤ 0.1 dB	
Isolation	NB input to WB input	≥ 40 dB	
	WB input to NB input	≥ 50 dB	
Group delay at fc ± 150 kHz	≤ 80 ns	≤ 110 ns	≤ 130 ns
Thermoswitch at EQ load	Yes		



**Mechanical & Environmental Specifications**

Dimensions DP12-202 (W x D x H)	498 x 668 x 1500 mm	498 x 865 x 1500 mm	498 x 1060 x 1500 mm
Dimensions DP12-204 (W x D x H)	498 x 820 x 1500 mm	498 x 1016 x 1500 mm	498 x 1212 x 1500 mm
Dimensions DP12-230 (W x D x H)	498 x 1010 x 1500 mm	498 x 1205 x 1500 mm	498 x 1400 x 1500 mm
Temperature range	-10°C to +50°C		
Working position	Any		



**Optional Accessories**

Bandpass filter on wideband input <sup>(2)</sup>	7/16	1 5/8"
Directional couplers at inputs and outputs (see page 150)	AC12-716	AC12-158
Unflanged to flanged adapters (see page 149)	TR22-123	X
Rack mounted	✓	

NOTES:

(1): Each model can achieve a narrower channel spacing than the one specified, by sacrificing the transmission response figures, with 4<sup>o</sup> order and inter-cavity feedback.

(2): The use of an extra filter connected to the wideband input enhances the isolation between inputs, thus reducing the possible generation of inter-mod products.

**The combiner can be field retuned to any frequency within specified band**