

FM 2/3/4 poles CIB combiner • ≤ 30 kW NB 

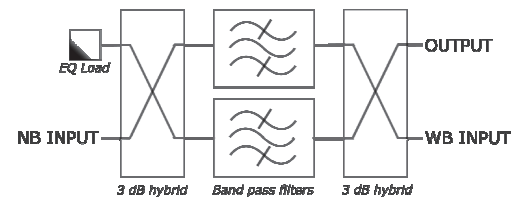
Electrical Specifications

Order of the bandpass filters	2	3	4
Frequency range	87.5-108 MHz		
Type	Constant impedance		
Impedance	50 Ohm		
Recommended minimum freq. spacing ⁽¹⁾	1.2 MHz	0.9 MHz	0.7 MHz
Max. power handling (NB/WB/Output)	40/70/70 kW 40/140/140 kW		
Input connectors (NB/WB)	3 1/8" unfl. / 4 1/2" unfl. 3 1/8" unfl. / EIA 6 1/8"		
Output connector	4 1/2" unfl. EIA 6 1/8"		
VSWR	Narrowband input	≤ 1.05:1 at carrier fc	
	Wideband input	≤ 1.10:1	
Insertion loss	Narrowband input	≤0.20dB(fc)	≤0.26dB(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	≤ 50 ns	≤ 80 ns	≤ 100 ns
Thermoswitch at EQ load	Yes		



Mechanical & Environmental Specifications

Dimensions DP12-480 (W x D x H)	1055 x 980 x 1698 mm	1055 x 1450 x 1698 mm	1055 x 1910 x 1698 mm
Dimensions DP12-470 (W x D x H)	1070 x 1085 x 1890 mm	1070 x 1545 x 1890 mm	1070 x 2005 x 1890 mm
Temperature range	-10°C to +50°C		
Working position	Any		



Optional Accessories

Bandpass filter on wideband input ⁽²⁾	3 1/8"	6 1/8"	4 1/2"
Directional couplers at inputs and outputs (see page 150)	AC12-318	AC12-618	AC12-412
Unflanged to flanged adapters (see page 149)	TR24-125	TR23-127	TR30-131
Rack mounted	√		

NOTES:

(1): Each model can achieve a narrower channel spacing than the one specified, by sacrificing the transmission response figures. 0.5 MHz spacing available with 4th 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