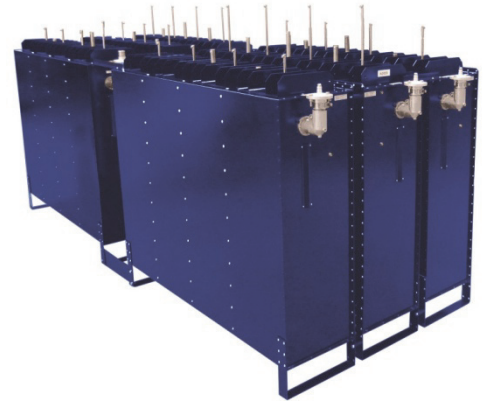


FM 2/3/4 poles Star-point combiner • ≤ 10 kW NB

Technical Specifications

Order of the bandpass filters	2, 3 and 4
Frequency range	87.5-108 MHz
Type	Star-point
Impedance	50 Ohm
VSWR	≤ 1.10:1 at carrier fc
Insertion loss	See table below
Isolation between inputs	≥ 32 dB
Connectors	Unflanged except on DIN 7/16 (see table below)
Temperature range	-10°C to +50°C
Working position	Any



Models

Max. power per input	Input connectors	Output connector	No. of inputs	Model	Filter order	Freq. spacing ⁽²⁾	Insertion loss at fc	Dimensions Width x Depth x Height	
150 W	DIN 7/16	DIN 7/16	2	DS12-103	3	≥ 2.5 dB	≤ 0.7 dB	270 x 310 x 576 mm	
			3	TS12-103	3	≥ 2.5 dB	≤ 0.7 dB	377 x 310 x 576 mm	
			4	XS12-103	3	≥ 2.5 dB	≤ 0.8 dB	484 x 310 x 576 mm	
2 kW	DIN 7/16 F or EIA 7/8"	1 5/8" unfl.	2	DS12-203-20	2	≥ 2.6 MHz	≤ 0.35 dB	495 x 460 x 1250 mm	
				DS12-203-30	3	≥ 1.5 MHz	≤ 0.55 dB	495 x 660 x 1250 mm	
				DS12-203-40	4	≥ 1.2 MHz	≤ 0.75 dB	495 x 860 x 1250 mm	
		3	1 5/8" unfl.	3	TS12-204-20	2	≥ 2.6 MHz	≤ 0.35 dB	726 x 460 x 1250 mm
					TS12-204-30	3	≥ 1.5 MHz	≤ 0.55 dB	726 x 660 x 1250 mm
					TS12-204-40	4	≥ 1.2 MHz	≤ 0.75 dB	726 x 860 x 1250 mm
		4	1 5/8" unfl.	4	XS12-204-20	2	≥ 2.6 MHz	≤ 0.35 dB	1090 x 495 x 1250 mm
					XS12-204-30	3	≥ 1.5 MHz	≤ 0.55 dB	1490 x 495 x 1250 mm
					XS12-204-40	4	≥ 1.2 MHz	≤ 0.75 dB	1890 x 495 x 1250 mm
5 kW	1 5/8" unfl.	1 5/8" unfl.	2	DS12-A30-20	2	≥ 2.2 MHz	≤ 0.30 dB	815 x 700 x 1400 mm	
				DS12-A30-30	3	≥ 1.4 MHz	≤ 0.45 dB	815 x 1050 x 1400 mm	
				DS12-A30-40	4	≥ 1.0 MHz	≤ 0.60 dB	780 x 1650 x 1400 mm	
		3	3 1/8" unfl.	3	TS12-A40-20	2	≥ 2.2 MHz	≤ 0.30 dB	1170 x 700 x 1400 mm
					TS12-A40-30	3	≥ 1.4 MHz	≤ 0.45 dB	1170 x 1050 x 1400 mm
					TS12-A40-40	4	≥ 1.0 MHz	≤ 0.60 dB	1150 x 1650 x 1400 mm
4	3 1/8" unfl.	4	XS12-A40-20	2	≥ 2.2 MHz	≤ 0.30 dB	815 x 1400 x 1400 mm		
			XS12-A40-30	3	≥ 1.4 MHz	≤ 0.45 dB	815 x 2100 x 1400 mm		
			XS12-A40-40	4	≥ 1.0 MHz	≤ 0.60 dB	730 x 3300 x 1400 mm		
6	3 1/8" unfl.	6	HS12-A40-20	2	≥ 2.2 MHz	≤ 0.30 dB	815 x 2120 x 1400 mm		
			HS12-A40-30	3	≥ 1.4 MHz	≤ 0.45 dB	815 x 3160 x 1400 mm		
			HS12-A40-40	4	≥ 1.0 MHz	≤ 0.60 dB	1090 x 3300 x 1400 mm		
10 kW	1 5/8" unfl.	3 1/8" unfl.	2	DS12-430-20	2	≥ 2.0 MHz	≤ 0.20 dB	970 x 985 x 1350 mm	
				DS12-430-30	3	≥ 1.2 MHz	≤ 0.30 dB	970 x 1450 x 1350 mm	
				DS12-430-40	4	≥ 0.9 MHz	≤ 0.40 dB	970 x 1910 x 1350 mm	
		3	3 1/8" unfl.	3	TS12-430-20	2	≥ 2.0 MHz	≤ 0.20 dB	1490 x 985 x 1350 mm
					TS12-430-30	3	≥ 1.2 MHz	≤ 0.30 dB	1490 x 1450 x 1350 mm
					TS12-430-40	4	≥ 0.9 MHz	≤ 0.40 dB	1490 x 1910 x 1350 mm
		4	3 1/8" unfl.	4	XS12-430-20	2	≥ 2.0 MHz	≤ 0.20 dB	970 x 1975 x 1350 mm
					XS12-430-30	3	≥ 1.2 MHz	≤ 0.30 dB	970 x 2895 x 1350 mm
					XS12-430-40	4	≥ 0.9 MHz	≤ 0.40 dB	970 x 3820 x 1350 mm



Optional Accessories

	7/16	1 5/8"	3 1/8"
Directional couplers at inputs and outputs (see page 150)	AC12-716	AC12-158	AC12-318
Unflanged to flanged adapters (see page 149)	-	TR22-123	TR24-125
Rack mounted		√	