
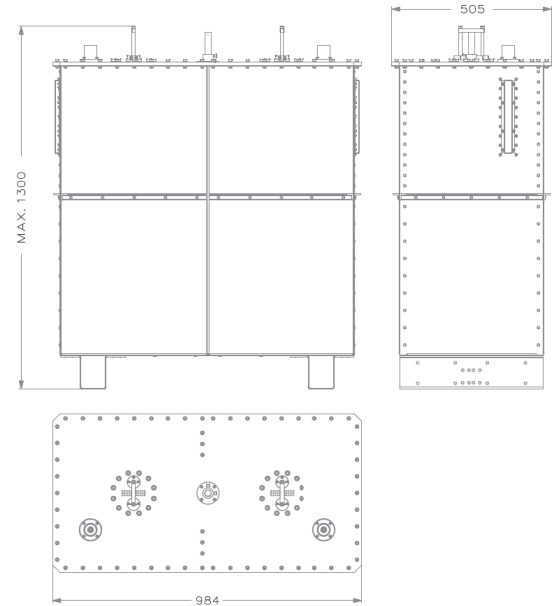


FM 2/3/4 poles band pass filters • ≤ 15 kW 
Electrical Specifications

Model	FL12-422 FL12-422HS	FL12-423 FL12-423HS	FL12-424 FL12-424HS
Order of the bandpass filters	2	3	4
Filter type	Bandpass coaxial		
Frequency range	87.5-108 MHz		
Impedance	50 Ohm		
Max. power handling ⁽¹⁾ FL12-422/ FL12-423/ FL12-424 FL12-422HS/ FL12-423HS/ FL12-424HS	12.5 kW 15 kW		
Recommended selectivity	1.6 - 1.2 MHz	1.2 - 0.8 MHz	0.8 - 0.6 MHz
Insertion loss (at mid band)	≤0.15 -0.20dB (fc)	≤0.20 -0.25dB (fc)	≤0.35- 0.45dB (fc)
Input/output connectors	1 5/8" and 3 1/8" unfl female		
VSWR	≤ 1.05 at carrier		
Group delay at fc ± 150 kHz	≤ 50 ns	≤ 80 ns	≤ 100 ns

Mechanical & Environmental Specifications

Dimensions (W x D x H)	984 x 505 x 1300 (max) mm	1476 x 505 x 1300 (max) mm	1968 x 505 x 1300 (max) mm
Weight	60 kg	83 kg	109 kg
Temperature range	-10°C to +50°C		



FL12-422

Optional Accessories

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

NOTES:

(1): Heat sinks are available as an option to increase the power handling up to 15 kW

**The filter can be field retuned to any frequency within specified band
For 3 / 4 poles cross-coupling system for inspiring selectivity available**