

CFM4-3

FM BANDPASS FILTER

FEATURES

- FM 3 kW bandpass filter
- 4 pole / 200 mm (7.9)
- adjustable selectivity



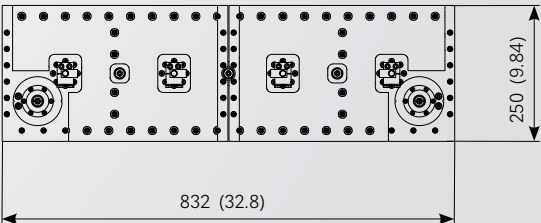
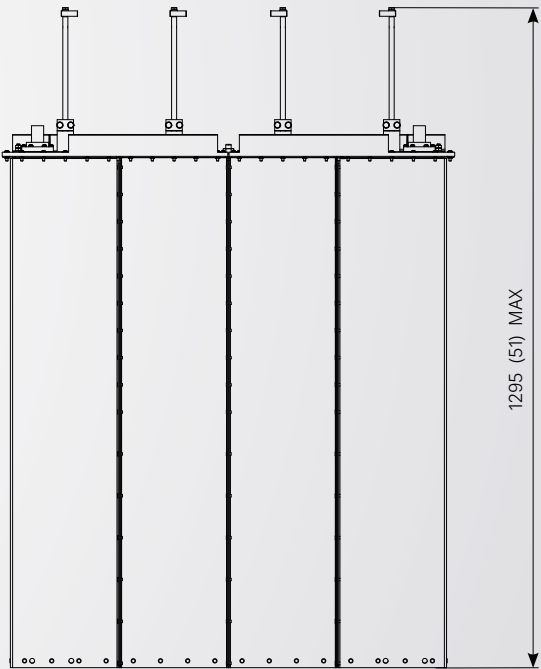
ELECTRICAL DATA

TYPE	CFM4-3/CC	CFM4-3/DD
FREQUENCY RANGE	87.5 ÷ 108 MHz	
IMPEDANCE	50 ohm	
RETURN LOSS	≥32 dB at carrier fo	
SELECTIVITY stop band atten. 20 dB	± 0.6 ÷ ± 1.2 MHz	
MAX INPUT POWER	3.0 kW (selectivity ± 1.0 MHz)	
	2.5 kW (selectivity ± 0.8 MHz)	
	1.5 kW (selectivity ± 0.6 MHz)	
INSERTION LOSS	See table below	
CONNECTORS	7/8" Unfl.F	1-5/8" Unfl.F
OPERATING TEMPERATURE RANGE	-10 to + 45°C (+14 to +113°F)	
OVER TEMPERATURE*	typical 30 K at max input power	
MATERIALS	Brass, aluminium, invar, teflon	
EXTERNAL FINISHING	Painted RAL 9005	
WEIGHT (approx)	33.5 kg (74 lb)	

* referred to ambient temperature. Recommended: [AmbientTemp. + OverTemp.] ≤70°C (158°F)

INSERTION LOSS at carrier fo (dB)

FREQUENCY (MHz)		87.5	98	108
SELECTIVITY (MHz)	± 1.0	0.45	0.46	0.47
	± 0.8	0.53	0.55	0.56
	± 0.6	0.68	0.70	0.71



All dimensions are in millimeters (inches)