

# CFM4-10

## FM BANDPASS FILTER

### FEATURES

- FM 10 kW bandpass filter
- 4 pole / 500 mm (19.7 in)
- adjustable selectivity



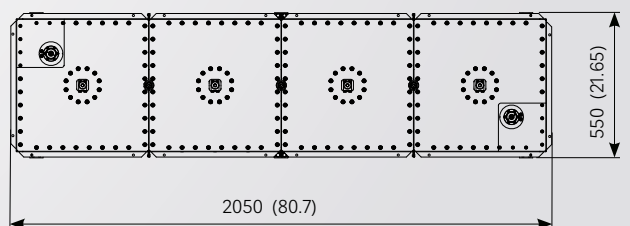
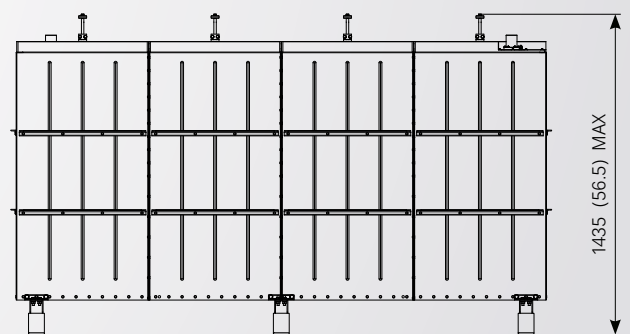
### ELECTRICAL DATA

TYPE	CFM4-10/DD	CFM4-10/EE
FREQUENCY RANGE	87.5 ÷ 108 MHz	
IMPEDANCE	50 ohm	
RETURN LOSS	≥32 dB at carrier fo	
SELECTIVITY stop band atten. 20 dB	± 0.6 ÷ ± 1.0 MHz	
MAX INPUT POWER	14 kW (selectivity ± 1.0 MHz)	
	12 kW (selectivity ± 0.8 MHz)	
	10 kW (selectivity ± 0.6 MHz)	
INSERTION LOSS	See table below	
CONNECTORS	1-5/8" Unfl.F	3-1/8" 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, iron, teflon	
EXTERNAL FINISHING	Painted RAL 9005	
WEIGHT (approx)	153 kg (337 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	0.25	0.26	0.27
	± 0.8	0.30	0.31	0.33
	± 0.6	0.36	0.38	0.41



All dimensions are in millimeters (inches)