

CFM3-10

FM BANDPASS FILTER

FEATURES

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



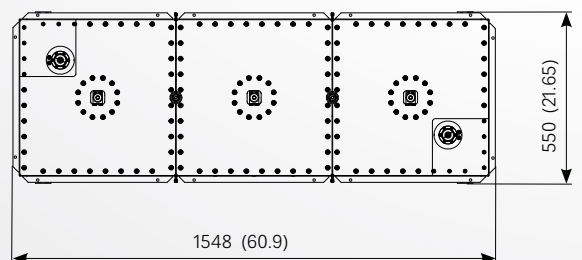
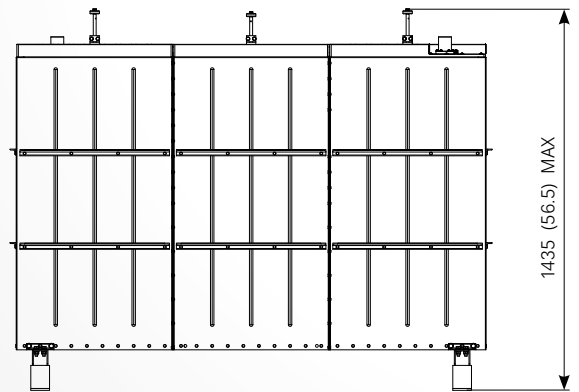
ELECTRICAL DATA

TYPE	CFM3-10/DD	CFM3-10/EE
FREQUENCY RANGE	87.5 ÷ 108 MHz	
IMPEDANCE	50 ohm	
RETURN LOSS	≥32 dB at carrier fo	
SELECTIVITY stop band atten. 20 dB	± 0.8 ÷ ± 1.6 MHz	
MAX INPUT POWER	16 kW (selectivity ± 1.6 MHz)	
	13 kW (selectivity ± 1.2 MHz)	
	10 kW (selectivity ± 0.8 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)	115 kg (254 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)	± 1.6	0.14	0.15	0.16
	± 1.2	0.19	0.20	0.21
	± 0.8	0.25	0.26	0.27



All dimensions are in millimeters (inches)