

CFM4-20

FM BANDPASS FILTER

FEATURES

- FM 20 kW bandpass filter
- 4 pole / 750 mm (29.5 in)
- adjustable selectivity



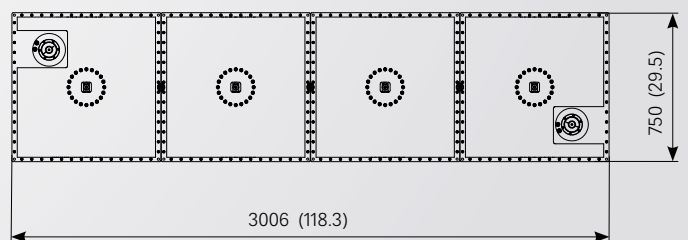
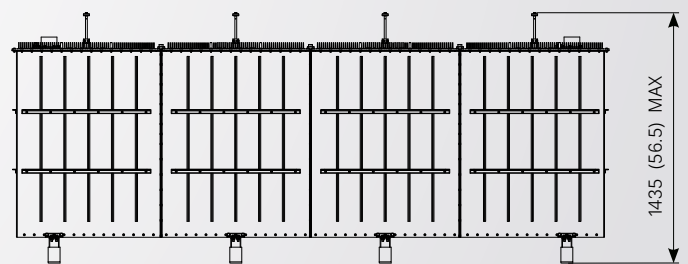
ELECTRICAL DATA

TYPE	CFM4-20/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
	28 kW (selectivity ± 1.0 MHz)
	24 kW (selectivity ± 0.8 MHz)
MAX INPUT POWER	20 kW (selectivity ± 0.6 MHz)
INSERTION LOSS	See table below
CONNECTORS	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)	357 kg (787 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	0.19	0.20	0.21
	± 0.8	0.22	0.23	0.25
	± 0.6	0.26	0.28	0.31



All dimensions are in millimeters (inches)