

CFM3-5

FM BANDPASS FILTER

FEATURES

- FM 5 kW bandpass filter
- 3 pole / 350 mm (13.8 in)
- adjustable selectivity



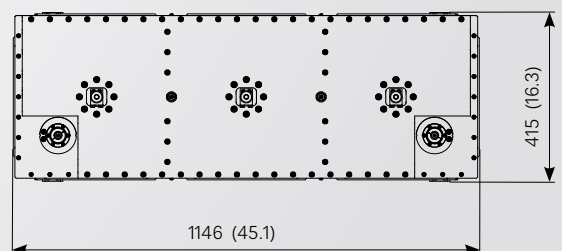
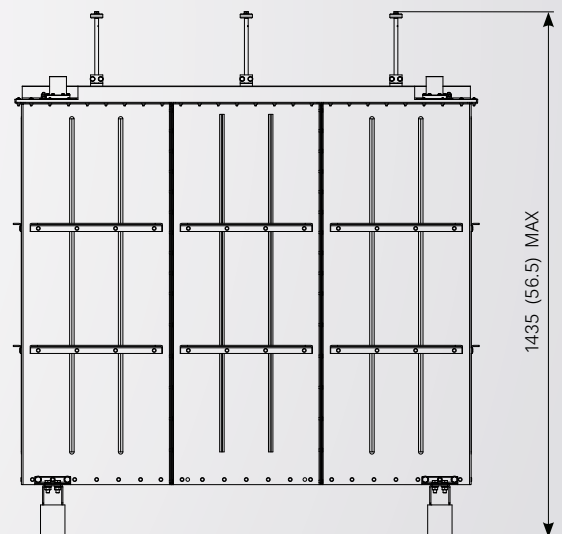
ELECTRICAL DATA

TYPE	CFM3-5/DD
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	7 kW (selectivity ± 1.6 MHz)
	6 kW (selectivity ± 1.2 MHz)
	5 kW (selectivity ± 0.8 MHz)
INSERTION LOSS	See table below
CONNECTORS	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, iron, teflon
EXTERNAL FINISHING	Painted RAL 9005
WEIGHT (approx)	70 kg (154 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	0.24	0.27	0.28
	± 1.2	0.28	0.31	0.32
	± 0.8	0.40	0.44	0.45



All dimensions are in millimeters (inches)