

CFM3-20

FM BANDPASS FILTER

FEATURES

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



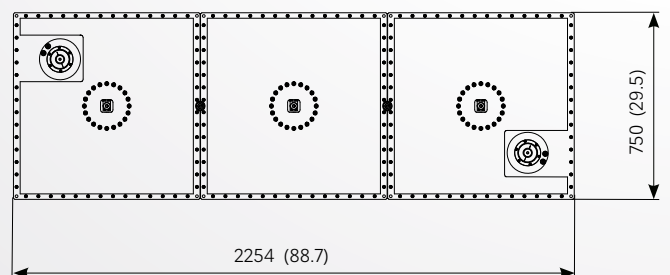
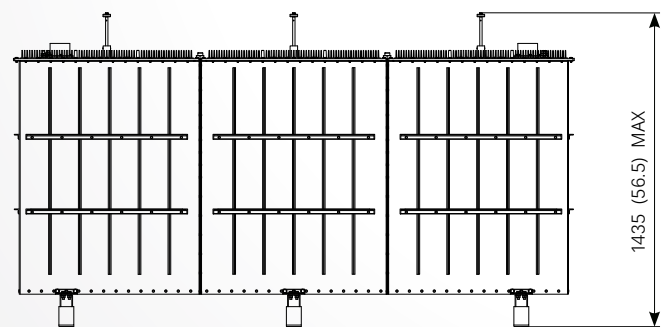
ELECTRICAL DATA

TYPE	CFM3-20/EE
FREQUENCY RANGE	87.5 ÷ 108 MHz
IMPEDANCE	50 ohm
RETURN LOSS	≥32 dB at carrier fo
SELECTIVITY stop band atten. 20 dB	± 0.8 ÷ ± 1.6 MHz
MAX INPUT POWER	32 kW (selectivity ± 1.6 MHz)
	26 kW (selectivity ± 1.2 MHz)
	20 kW (selectivity ± 0.8 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)	266 kg (586 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	0.08	0.085	0.09
± 1.2	0.11	0.115	0.12
± 0.8	0.16	0.165	0.17



All dimensions are in millimeters (inches)