

CFM4-5

FM BANDPASS FILTER

FEATURES

- FM 5 kW bandpass filter
- 4 pole / 350 mm
- adjustable selectivity



ELECTRICAL DATA

TYPE	CFM4-5/DD
FREQUENCY RANGE	87.5 ÷ 108 MHz
IMPEDANCE	50 ohm
RETURN LOSS	≥32 dB at carrier f0
SELECTIVITY stop band atten. 20 dB	± 0.6 ÷ ± 1.0 MHz
MAX INPUT POWER	7 kW (selectivity ± 1.0 MHz)
	6 kW (selectivity ± 0.8 MHz)
	5 kW (selectivity ± 0.6 MHz)
INSERTION LOSS	See table below
CONNECTORS	1-5/8" Unfl.F
OPERATING TEMPERATURE RANGE	-10 ÷ +45 °C
OVER TEMPERATURE*	typical 30K at max input power
MATERIALS	Brass, aluminium, invar, iron, teflon
EXTERNAL FINISHING	Painted Ral 9005
WEIGHT	94 kg

* referred to Ambient Temperature. Recommended: [AmbientTemp. + OverTemp.] ≤60°C

INSERTION LOSS at carrier f0 (dB)

FREQUENCY (MHz)		87.5	98	108
SELECTIVITY (MHz)	± 1.0	0.34	0.36	0.38
	± 0.8	0.39	0.41	0.42
	± 0.6	0.47	0.49	0.50

