

# CFM2-10

## FM BANDPASS FILTER

### FEATURES

- FM 10 kW bandpass filter
- 2 pole / 500 mm
- adjustable selectivity



### ELECTRICAL DATA

TYPE	CFM2-10/DD	CFM2-10/EE
FREQUENCY RANGE	87.5 ÷ 108 MHz	
IMPEDANCE	50 ohm	
RETURN LOSS	≥32 dB at carrier f0	
SELECTIVITY stop band atten. 20 dB	± 1.6 ÷ ± 2.0 MHz	
MAX INPUT POWER	12 kW (selectivity ± 2.0 MHz)	10 kW (selectivity ± 1.6 MHz)
INSERTION LOSS	See table below	
CONNECTORS	1-5/8" Unfl.F	3-1/8" 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	80 kg	

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

### INSERTION LOSS at carrier f0 (dB)

FREQUENCY (MHz)		87.5	98	108
SELECTIVITY (MHz)	± 2.0	0.12	0.125	0.13
	± 1.6	0.14	0.145	0.15

