

FM BAND PASS FILTERS

FBFM Series

Product Features

- Low cost
- High selectivity
- Low insertion loss
- Good return loss

Applications

- FM



FBFM2BD



FBFM2AB



FBFM1NC

Fiplex' broadcast line of "FM Band Pass Filters" are high Q devices used to filtrate and eliminate spurious responses that are generated in the FM transmitter. FBFM Series utilize passivated aluminum cavities, with silver plated resonant elements, to ensure long time durability and low incidental Insertion Loss. As tuning control, INVAR rods are employed to achieve thermal stability. From one to six cavities models are available, depending on the filtering requirements. Mounting Frame is provided with thermal converted paint.



Specification

Value

Type	FM Band Pass Filter
Frequency	88 – 108 MHz
Frequency, BW	F0 +/- 100 KHz
Max. Power	See table below
Insertion Loss	See table below
Rejection	See table below
Impedance	50 Ω
Connectors	See table below
Return Loss	20 dB min

FM BAND PASS FILTERS

FBFM Series

Specification	Value (1 cavity)	Value (2 cavities)
Frequency range	88 – 108	88 – 108
Number of cavities	1	2
Maximum Power	500 W	500 W
Insertion Loss at Fo	0.15 dB	0.25 dB
Insertion Loss at BW	0.25 dB	0.35 dB
Rejection +/- 3MHz Fo	12 dB	28 dB
Connectors	N(f) ; DIN 71/6	N(f) ; DIN 71/6
Frequency range	88 – 108	88 – 108
Number of cavities	1	2
Maximum Power	1 KW	1 KW
Insertion Loss at Fo	0.15 dB	0.25 dB
Insertion Loss at BW	0.25 dB	0.35 dB
Rejection +/- 3MHz Fo	12 dB	28 dB
Connectors	EIA 7/8	EIA 7/8
Frequency range	88 – 108	88 – 108
Number of cavities	1	2
Maximum Power	5 KW	5 KW
Insertion Loss at Fo	0.15 dB	0.25 dB
Insertion Loss at BW	0.25 dB	0.35 dB
Rejection +/- 3MHz Fo	12 dB	28 dB
Connectors	EIA 1 5/8	EIA 1 5/8
Frequency range	88 – 108	88 – 108
Number of cavities	1	2
Maximum Power	10 KW	10 KW
Insertion Loss at Fo	0.15 dB	0.25 dB
Insertion Loss at BW	0.20 dB	0.35 dB
Rejection +/- 3MHz Fo	12 dB	28 dB
Connectors	EIA 3 1/8	EIA 3 1/8

DOC BR100.00 - 30072012
 Fiplex is a registered trademark of Fiplex Communications, Inc.
 Fiplex Communications, Inc. reserves the right to change specifications without prior notice.