



RCBC-X3X-FM

35,000 WATTS, FM BANDPASS FILTER

The JAMPRO RF SYSTEM Series RCBC-x3x*-FM Iris Coupled Comblaine Bandpass Filters are designed to provide superior performance for medium/high power transmitter systems in a modular configuration. Filters with either two, three, four or five sections designed, assembled, tested and shipped from stock.

Almost any value of rejection bandwidth can be provided by proper selection of the number of sections and coupling iris dimensions. Passband insertion loss is minimized by the use of 24" high-Q aluminum cavities. Temperature stability is maintained through the use of invar tuning rods on copper center conductors.

3-1/8" connectors are unflanged. Flanged available upon request. This design used for input power levels up to 35 kw – with heat sinks.

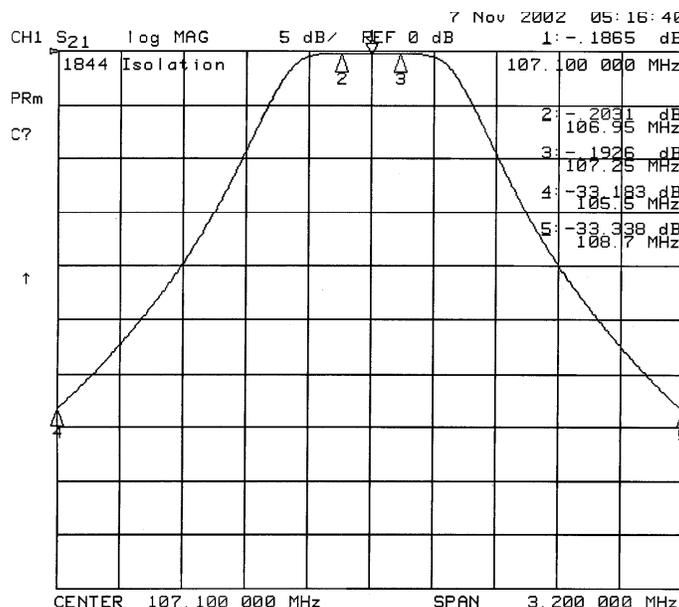


RCBC-X3X-FM Typical Specifications

Type	2, 3, 4, 5 Section
Frequency	88 to 108 MHz
Power	25 kW 35 kW with heat sinks
VSWR	1.08:1 Max ± 150 kHz
Insertion Loss	0.24 dB Max ± 200 kHz 0.05 dB Typical

Rejection

2-Section	30 dB ± 4.0 MHz
3-Section	30 dB ± 1.6 MHz
4-Section	30 dB ± 0.9 MHz
5-Section	30 dB ± 0.7 MHz



Rejection Plot 3-section filter