



RCBC-X1X-FM

8000 WATTS, FM BANDPASS FILTER

The JAMPRO RF SYSTEM Series RCBC-x1x*-FM Iris Coupled Combine Bandpass Filters are designed to provide superior performance for medium 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 11.5" high-Q aluminum cavities. Temperature stability is maintained through the use of in-var tuning rods on copper center conductors.

1-5/8" connectors are unflanged. Flanged available upon request. This design used for input power levels up to 8 kw with heat sinks.

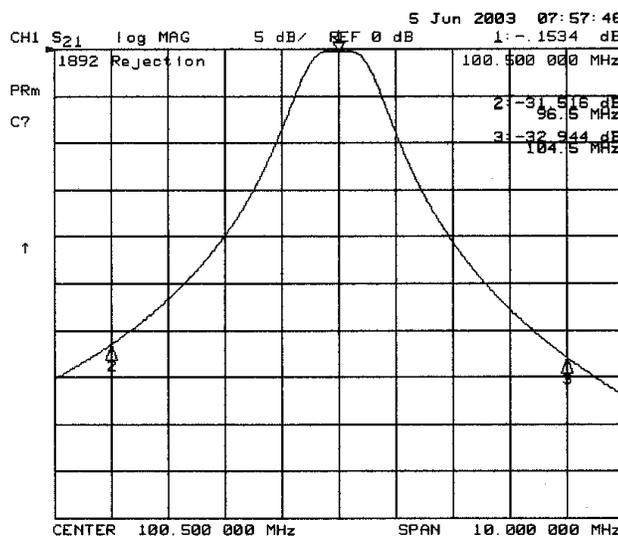


RCBC-X1X-FM Typical Specifications

Type	2, 3, 4 Section
Frequency	88 to 108 MHz
Power	5 kW 8 kW with heat sinks
VSWR	1.08:1 Max ± 150 kHz
Insertion Loss	0.5 dB Max ± 200 kHz 0.25 dB Typical

Rejection

2-Section	30 dB ± 4.0 MHz
3-Section	30 dB ± 1.6 MHz
4-Section	30 dB ± 1.0 MHz
5-Section	30 dB ± 0.7 MHz



Rejection Plot 2-section filter