



# 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.

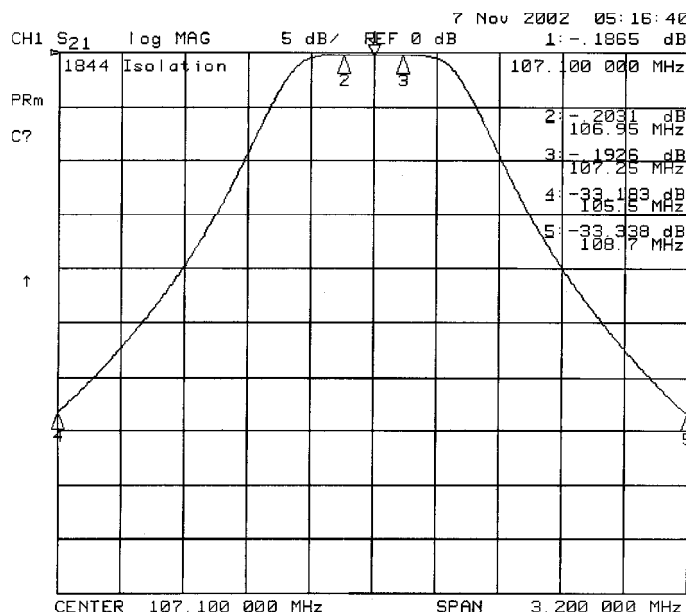


### RCBC-X3X-FM Typical Specifications

<b>Type</b>	2, 3, 4, 5 Section
<b>Frequency</b>	88 to 108 MHz
<b>Power</b>	25 kW 35 kW with heat sinks
<b>VSWR</b>	1.08:1 Max ± 150 kHz
<b>Insertion Loss</b>	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