

3-SECTION FM BANDPASS FILTERS IN 2, 5, 10 or 20 kW



P-Cube, Inc's FM bandpass filters are a cost-effective way to satisfy your station's filtering needs. Low insertion loss and high rejection make them the best choice for cost-conscious stations. The filters are available in 3 or 4 sections, depending upon your filtering requirements. These high-quality filters are designed for bandpass protection at sites requiring additional protection or for combining two or more stations.

P-Cube's dedicated staff will help you choose the correct filter for your application. Call or email us with your requirements.

FEATURES

- **Light-weight aluminum construction**
- **Temperature-compensated resonators**
- **Also available in 4-section versions**
- **Cross-coupled and non-cross-coupled**
- **Constant impedance versions also available**
- **Ideal for use in combiners**
- **Field-tunable.**

3-SECTION SPECIFICATIONS

INPUT VSWR:	1.08 : 1 over Fc +/- 200 kHz
GROUP DELAY:	< 100 nsec +/- 200 kHz
INSERTION LOSS: 2 kW 5 kW 10 kW 20 kW	0.5 dB typ. over Fc +/- 200 kHz 0.4 dB typ. over Fc +/- 200 kHz 0.3 dB typ. over Fc +/- 200 kHz 0.3 dB typ. over Fc +/- 200 kHz
ATTENUATION	5 dB at Fc +/- 500 kHz
CONNECTORS 2 kW 5 kW 10 kW 20 kW	7-16 DIN, 7/8" , 1-5/8" 1-5/8" , 3-1/8" 1-5/8" , 3-1/8" 3-1/8" , 4-1/16"
DIMENSIONS 2 kW 5 kW 10 kW 20 kW	Approx. 6" x 16" x 42-60" Approx. 10" x 21" x 42-60" Approx. 16" x 49" x 42-60" Approx. 20" x 61" x 42-60"
WEIGHT: 2 kW 5 kW 10 kW 20 kW	Approx. 65 lbs. Approx. 120 lbs. Approx. 240 lbs. Approx. 400 lbs.

3-SECTION FM BANDPASS FILTER SPECIFICATIONS

2 kW SPECIFICATIONS

INPUT VSWR	1.08 : 1 over Fc ±200 kHz
GROUP DELAY	< 100 nsec ±200 kHz
INSERTION LOSS	0.5 dB typ. over Fc ±200 kHz
ATTENUATION	5 dB at Fc ±500 kHz
CONNECTORS	7-16 DIN , 7/8" , or 1-5/8"
DIMENSIONS	Approx. 6" x 16" x 42-60"
WEIGHT	65 lbs. est.

5 kW SPECIFICATIONS

INPUT VSWR	1.08 : 1 over Fc ±200 kHz
GROUP DELAY	< 100 nsec ±200 kHz
INSERTION LOSS	0.4 dB typ. over Fc ±200 kHz
ATTENUATION	5 dB at Fc ±500 kHz
CONNECTORS	1-5/8" or 3-1/8"
DIMENSIONS	Approx. 10" x 21" x 42-60"
WEIGHT	120 lbs est.

10 kW SPECIFICATIONS

INPUT VSWR	1.08 : 1 over Fc ±200 kHz
GROUP DELAY	< 100 nsec ±200 kHz
INSERTION LOSS	0.3 dB typ. over Fc ±200 kHz
ATTENUATION	5 dB at Fc ±500 kHz
CONNECTORS	1-5/8" or 3-1/8"
DIMENSIONS	Approx. 16" x 49" x 42-60"
WEIGHT	240 lbs. est.

20 kW SPECIFICATIONS

INPUT VSWR	1.08 : 1 over Fc ±200 kHz
GROUP DELAY	< 100 nsec ±200 kHz
INSERTION LOSS	0.3 dB typ. over Fc ±200 kHz
ATTENUATION	5 dB at Fc ±500 kHz
CONNECTORS	3-1/8" or 4-1/16"
DIMENSIONS	Approx. 20" x 61" x 42-60"
WEIGHT	400 lbs. est.

