

FM Bandpass Filters

1 KW – 60 KW Modules



- Frequency: 88 - 108MHz
- Multiple cavity configurations available.
- High quality aluminum, brass, and copper materials.
- Iris coupled design, perfect for analog or digital applications.
- Available in floor, ceiling, and wall mount configurations.
- No finger stock used
- Cross Coupled notches available

SPECIFICATIONS

Frequency 88 – 108 MHz
Input Power Rating 1 KW thru 60 KW
Insertion Loss < -1.40 dB
Cooling Method Convection or Forced Air
Rejection -20 dB 1.0 MHz
 -40 dB 2.0 MHz
Group Delay 100 ns 200 KHz Typical

Connections Available: Type N, 7/16 DIN, EIA Flange
Adapters Available: Type N, 7/16 DIN, EIA Flange
 Notches Provide > 40 dB rejection or better

STANDARD MODELS

Model	Power Rating	2-Cavity		3-Cavity		4-Cavity	
BP-IR-1K	1 KW	4" x 8" x 46"	32 lbs.	4" x 12" x 46"	48 lbs.	4" x 16" x 46"	65 lbs.
BP-IR-1.5K	1.5 KW	4" x 8" x 46"	35 lbs.	4" x 12" x 46"	52 lbs.	4" x 16" x 46"	70 lbs.
BP-IR-3K	3 KW	6" x 12" x 46"	75 lbs.	6" x 18" x 46"	115 lbs.	6" x 24" x 46"	150 lbs.
BP-IR-7K	7 KW	8" x 16" x 46"	100 lbs.	8" x 24" x 46"	150 lbs.	8" x 32" x 46"	200 lbs.
BP-IR-12K	12 KW	12" x 24" x 56"	150 lbs.	12" x 36" x 56"	225 lbs.	12" x 48" x 56"	300 lbs.
BP-IR-20K	20 KW	17" x 34" x 56"	170 lbs.	17" x 51" x 56"	255 lbs.	17" x 68" x 56"	340 lbs.
BP-IR-40K	40 KW	22" x 44" x 56"	350 lbs.	22" x 66" x 56"	525 lbs.	22" x 88" x 56"	700 lbs.
BP-IR-60K	60 KW	22" x 44" x 56"	350 lbs.	22" x 66" x 56"	525 lbs.	22" x 88" x 56"	700 lbs.

Operating Altitude Ratings are based on elevations up to 2800'. Derating begins after 2800'