

**68-FF-7X Series**

Our X-Pass filters are designed for flexible, close frequency systems. Each cavity has both a Reject and a Pass band curve. These individual cavities are used to add channels to existing systems. Available in single units, they can be combined with Bandpass, Notch, and Pass-Reject cavities for added protection and isolation. Selectivity can be determined by the insertion loss of the cavity or by adding Bandpass cavity units to this expansion channel as required. Each cavity is temperature compensated for operation between -40°C to +60°C. Each cavity has a gold Alodine finish, silver-plated loops, and silver-plated tuning rods. Every cavity is equipped with both coarse and fine-tuning rods for quick and easy field or lab re-tuning.

- Temperature Compensation
  - Ensures Frequency Stability
- High Attenuation
  - Minimizes desense and interference from adjacent systems
- Adjustable Loops
  - Each cavity has a calibration index to reference insertion loss



Electrical Specifications	68-11-71	68-13-71	68-38-71	68-74-71
Frequency Range, MHz	108-136	132-174	380-512	746-960
Frequency Spacing Min.	Please Refer to Typical Curves			
Cavity Diameter, in	6.625	6.625	6.625	6.625
Continuous Power Input, Watts (Dependent on insertion Loss)	300	300	300	150
Connectors	N Female			
Insertion Loss. dB	0.6-1.5			
Reject Attenuation	Please Refer to Typical Curves			
VSWR	1.22:1	1.22:1	1.22:1	1.22:1
Temperature °C	-40 to +60			
Mechanical Specifications	68-11-71	68-13-71	68-38-71	68-74-71
Maximum length, in	40	35	20.5	20.7
Weight, lbs	18	15	10	10