

NOTCH CAVITY

108-512 MHz

63-FF-7X Series

Our Notch filters are designed to reject one narrow band of frequencies, while letting all others pass in the operating band. They provide additional isolation by eliminating close adjacent frequencies. The notch cavities can be cascaded or added to one another in order to sharpen the attenuation of the rejection curve. These cavities can be used individually or in multiples. 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 | 63-11-71 | 63-13-71 | 63-38-71 |
|-------------------------------|--------------------------------|----------|----------|
| Frequency Range, MHz (in | 108-136 | 136-174 | 380-512 |
| Frequency Spacing Min. | Please Refer to Typical Curves | | |
| Cavity Diameter, in | 6.625 | 6.625 | 6.625 |
| Continuous Power Input, Watts | 150 | 150 | 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 |
| Temperature °C | -40 to +60 | | |
| Mechanical | 63-11-71 | 63-13-71 | 63-38-71 |
| Maximum length, in | 40 | 35 | 20.5 |
| Weight, lbs | 18 | 15 | 10 |

* See appendix for ordering information (Page 237)

