

NOTCH CAVITY

30-1000 MHz

63-XX-7X Series

Comprod Inc. 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 $+60^{\circ}\text{C}$. 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**

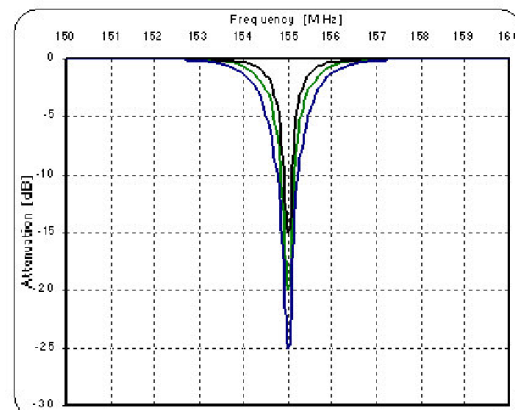
- Each cavity has a calibration index



Electrical Specifications	63-03-71	63-06-71	63-11-71	63-13-71	63-40-71	63-74-71
Frequency Range, MHz	30-50	66-88	108-136	136-174	406-512	746-960
Frequency Spacing Min.	Please Refer To Typical Curves					
Cavity Diameter, in	6.625	6.625	6.625	6.625	6.625	6.625
Continuous Power Input, Watts (Dependent on insertion Loss)	150	150	150	150	150	150
Connectors	N Female	N Female	N Female	N Female	N Female	N Female
Insertion Loss	Please Refer To Typical Curves					
Reject Attenuation	Please Refer To Typical Curves					
VSWR	1.22:1	1.22:1	1.22:1	1.22:1	1.22:1	1.22:1
Temperature $^{\circ}\text{C}$	-40 to +60	-40 to +60	-40 to +60	-40 to +60	-40 to +60	-40 to +60

Mechanical Specifications	63-03-71	63-06-71	63-11-71	63-13-71	63-40-71	63-74-71
Maximum length, in	132	77	31.5	26	11.5	13
Weight, lbs	n/a	n/a	18	15	10	10

Order Information	Single	Dual	Triple
4" Cavity	63-XX-41	63-XX-42	63-XX-43
6.625" Cavity	63-XX-71	63-XX-72	63-XX-73
10" Cavity	63-XX-01	63-XX-02	63-XX-03



63-13-71