

**MODEL 173**

**Four Channel Programmable VHF/UHF Notch Filter**

**Features:**



- 4 Independently-Programmable VHF-UHF Notch Filters
- Bypass Mode Allows Removal of Filters
- Front Panel Display to View and Change Settings
- Multiple Remote Control Formats Supported
- Replaceable Front Panel Power Supply Module

The model 173 Programmable VHF-UHF Notch Filter contains four independent user settable notch filters in a single 2U chassis. Each individual notch filter also has a bypass mode to reduce the total insertion loss when the notch is not in use.

The unit's front panel display permits local users to view and change notch frequencies, as well as checking the health and status of the chassis. All functions and status are also accessible through the remote interfaces. A simple ACSII literal based command set allows quick and easy remote control of the unit. The unit also features a user replaceable power supply module (front access).

**Electrical Characteristics:**

**Mechanical Characteristics:**

	<u>Notch 1</u>	<u>Notch 2</u>	<u>Notch 3</u>	<u>Notch 4</u>
Frequency Range, MHz:	30 - 108	80 - 200	180 - 512	500 - 825
Freq. Resolution, MHz:	0.5	1.0	2.0	5.0
Insertion Loss, dB:	0.50	0.65	0.80	1.0
3dB Notch width, MHz:	9.6	19.2	50.0	96.0
6dB Notch width, MHz:	6	12	28.8	57.6
20dB Notch width, MHz:	0.90	1.8	4.2	9.6
Min. Notch Depth, dB:	25			
IP3, dBm:	+50			
Input Power, dBm:	+33			
Remote Control:	RS-232/574, RS-422/485, 10/100BaseT (LAN)			
AC Power:	115 - 230VAC, 47-63 Hz, 25 watts			

Size: 2U (3.5")H x 19"W x 20"D  
Connectors: BNC female

**Environmental:**

Operating Temperature: 0° to +50° C