

## Overview

The Byonics Preamp1 amplifier combines a narrow-band, bandpass filter to block out-of-band signals and noise, with a high gain InGaP HBT MMIC amplifier. The Preamp1 was designed as a front-end filter for receivers in RF-noisy environments, such as repeaters and digipeaters and instrumentation. The amplifier is available with or without the SMA and terminal block connectors installed to facilitate installing the device in your receiver.

## Specifications

Size: 1X2 inches  
Weight: .6 Ounces (With Connectors)  
RF Connectors: SMA FEMALE  
DC IN: 5mm Terminal Block  
Temperature: -40C to 85C operating range  
Input/Output: 50 Ohms  
DC input: 7.5 to 15 Volts DC, 20 mA Max  
Input VSWR: 1.35:1 typical  
Rejection: 40 dB typical  
Type: Military Grade bunched L/C  
Gain: 14 dB  
Input Power: 13dB (MAX)  
Center Frequency: 140 MHz

