

High Sierra MICROWAVE

Description.

The LNAA146FIL designed using a very low loss 2 pole input bandpass filter along with a 2 pole output bandpass filter. The use of a input bandpass filter helps to greatly reduce or eliminate receiver de-sensitization, overload and intermodulation from out of band signals. While any filter preceding the amplifier will add to the overall noise figure, by using a very low noise MMIC and a filter designed and implemented using low loss techniques, the overall noise figure can still be maintained to a maximum of 2 dB. The MMIC amplifier chosen, besides having a low noise figure, has an output P1db compression point of +16 dBm, allowing it to handle strong in band signals.

Features.

- NF = 1.7 dB typical - optimized for 2 meter satellite band.
- Maximum RF input level of -5 dBm before compression.
- Can be powered directly or through appropriate bias tee.
- Operates on +5 Vdc.
- Input current 50 mA typical.
- Internal voltage regulator with reverse polarity protection.
- Rugged extruded aluminum housing.
- Available with RF connector options (consult factory).

Specifications.

- Frequency..... 144 to 148 MHz
- Noise Figure..... 2 dB maximum, 1.7 dB typical
- Overall Gain..... 20 dB, minimum
- Impedance..... 50 ohm
- Connectors..... BNC Female, SMA Optional
- Operating Temp..... 0 to 50 degrees C
- Housing..... Rugged cast aluminum housing
- Shipping Weight..... Less than 1 lb (0.454 Kg)
- Size..... See outline drawing

Note: Specifications subject to change

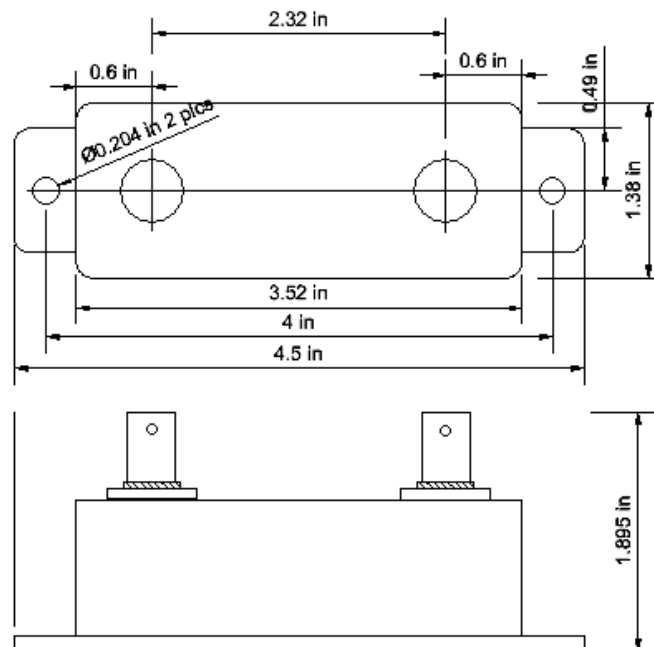
Model LNAA146FIL

**144 to 148 MHz
Low Noise Amplifier
(w/input and output BPFilters)**



Picture shows the BNC female input and output option:
"XXXX" = "BFBF"

Outline Drawing



For price, delivery and to place orders, please contact

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