

High Sierra MICROWAVE

Model FCD-1-55-UC

**1 to 55 MHz Up Converter
for use with the
FUNcube Dongle**

Description.

The **FCD-1-55-UC** provides coverage of the 1 to 55 MHz band for the FUNcube Dongle (FCD) by up converting the 1 to 55 MHz band to an IF of 134 to 188 MHz. Filters used in the design insure that the 133MHz local oscillator and its harmonics in the IF output do not overload the sensitive FCD input. RF input filtering and the use of a high dynamic range MMIC keep in-band and out of band signals from causing intermodulation spurious in the FCD.



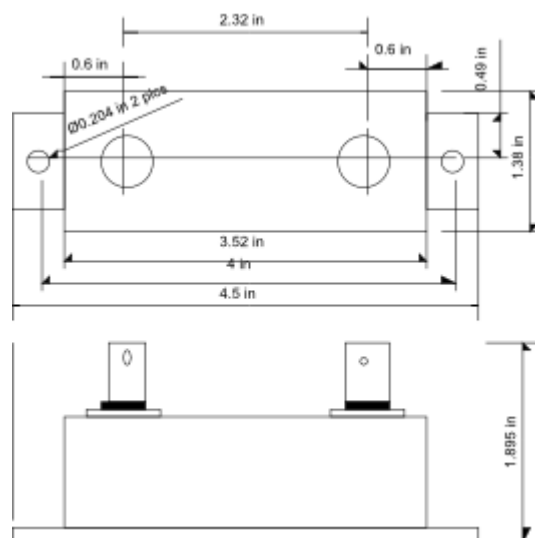
Features.

- NF = 2.5 dB typical
- Can be powered directly or through the FCD bias tee option.
- Operates on +5 Vdc., +6 Vdc Maximum
- Internal voltage regulator with reverse polarity protection.
- Rugged extruded aluminum housing.

Specifications.

RF Input Frequency	1 to 55 MHz
IF Output Frequency	134 to 188 MHz
LO Stability	+/- 30 PPM (133 MHz)
Noise Figure	2.5 dB typical
Overall Gain	20 dB minimum
Connectors	BNC Female
Operating Temperature	0 to 50 degrees C
Housing	Rugged Cast Aluminum

Outline Drawing



**For price, delivery and to place orders,
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