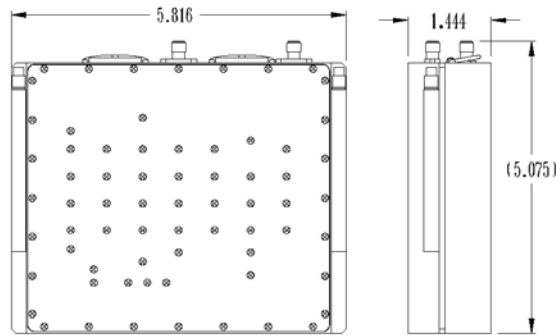


TUN8-LM02 Tuner



Outline Drawing



All dimensions in inches

Features:

- High Linearity
- Compact, Ruggedized Modular Packaging
- Built-In Test
- Software Controlled
- Small to Medium Production Quantities

Overview

The Low Noise Amplifier and Switched Filter Banks set the Noise Figure and provide superior selectivity. Chip and wire in conjunction with surface mount technologies and multiplayer structures are employed and mixed to not only achieve the receiver parameters such as the low Noise Figure but also to reduce module cost wherever possible. The filter bank selectivity allows communication when in the presence of collocated L-Band frequency hopping radios and other sources of interference.

This unit can be used with our DEM-LM01 Tuner as a part of an L-Band Front End or Receiver solution.

Electrical Specifications:

RF Input Frequency:	1350 to 1850 MHz
Noise Figure:	6 dB max.
Gain:	20 dB +/- 1 dB
I/O Impedance:	50 Ω
Input Power Protection: (Open Circuit Antenna Port)	+46.03 dBm no damage
Dual Switched Filter Banks:	8 Filters each
Center Frequencies (Fc):	Filter 1: 1381.25 MHz Filter 2: 1443.75 MHz Filter 3: 1506.25 MHz Filter 4: 1568.75 MHz Filter 5: 1631.25 MHz Filter 6: 1693.75 MHz Filter 7: 1756.25 MHz Filter 8: 1818.75 MHz
Rejection: 45 dB min. at Fc +/- 93.8 MHz For each filter	
Pass Band Ripple:	+/- 1 dB
Switched Filter Switching Time:	10 usec. max.
Spurious Level:	-80 dBc

Mechanical Specifications:

Dimensions:	5.816" x 5.075" x 1.444"
Connectors:	SMA(f) x2, 17p Header
Other Hardware:	Spring Loaded D-Rings, Card Guides

Environmental Specifications:

Operating Temperature:	-30°C to +50°C
Storage Temperature:	-55°C to +85°C