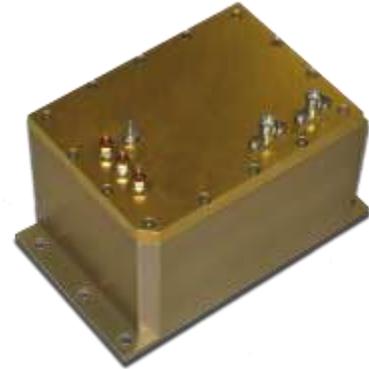


L-BAND MULTI-FREQUENCY SOURCE

TECHNICAL FEATURE

Features

- 2 Separate Output Channels
- 2 Selectable Output Frequencies
- Ruggedized Construction



Performance

| | |
|---|------------------------|
| Frequency Range..... | L-Band |
| Output Power..... | +13.0 +/-1.5 dBm |
| Isolation..... | ≥60 dB between outputs |
| Channel Control..... | TTL – 2 Bits |
| Channel Switching Time | 5 ms typ |
| Tolerance and Stability..... | +/-0.003% max |
| VSWR..... | 1.3:1 max |
| Output Harmonics | -24 dBc max |
| Noise and Spurs (130 kHz to 1 MHz offset) | -65 dBc max |
| Operating Voltage (input) | +15 to 28 VDC |
| RF Connection Interface | SMA Female |
| Connector (power and control) | Solder Pins |
| Operating Temperature Range..... | -56 to +85°C |
| Package Size..... | 4.3" x 2.5" x 2.8" |

Description

This L-Band Multi-Frequency source is designed to operate in a rugged airborne environment and simultaneously meet challenging stability and noise requirements. Careful design of the mechanical structure minimized the influx of noise through active operating vibration. A dual oscillator design with internal crystal-based references and isolation between channels provides good noise and minimal spurious signal output over the specified conditions.

The device is fully tested and guaranteed over the operating conditions.

Crane Electronics, Inc.

Microwave Solutions

28 Tozer Road • Beverly, MA 01915

phone: 978-524-7200 • email: electronics@crane-eg.com • www.craneae.com/mw

The information in this document is a derivative of a document cleared by the Department of Defense (DoD) Office of Security Review (OSR) for public release. OSR case number 11-S-2348 dated May 27, 2011.

Revision DS_LBand_Multi_Freq_Source_MW_060211.doc. All technical information is believed to be correct but no responsibility is assumed for errors or omissions. We reserve the right to make changes in products or specifications without notice. Copyright © 2011 Crane Electronics, Inc. All rights reserved.

