SPECIAL FEATURES

- Small Size: 3 cubic inches
- + 16 dBm Output Power
- Low Spurious and Harmonics
- Rugged Construction: Airborne Environment

This hermetically sealed phase locked DRO uses MIC thin-film construction to provide a very small package size without compromising output spectral purity. The unit is based on a bipolar transistor oscillator and boasts a + 16 dBm RF output level.

The final assembly is screened i.a.w. the guidelines of MIL-H-38534, Class H, and is suitable for airborne applications requiring resistance to the effects of both vibration and electromagnetic interference.

ELECTRICAL SPECIFICATIONS

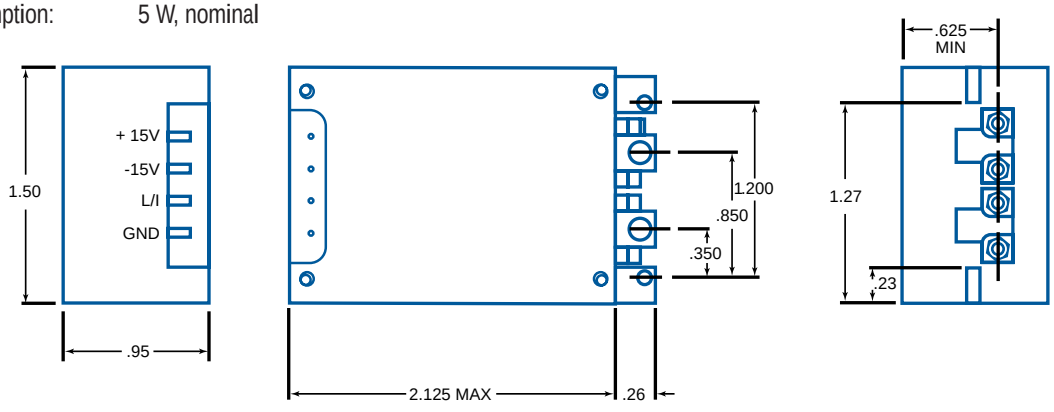
Operating Frequency:	5.2 GHz
Reference Input:	100 MHz @ 0 dBm ± 3 dB
Frequency Stability:	Same as input reference signal
Output Power:	+ 16 dBm ± 1 dB
VSWR:	2:1, nominal
SSB Phase Noise (dBc/Hz, typical):	
offset	
20 Hz	- 40
100 Hz	- 80
1 kHz	- 95
20 kHz	- 113
100 kHz	- 117
1 MHz	- 142
10 MHz	- 149
AM Noise:	0.12 % rms, maximum (20 to 3000 Hz)
FM Noise:	2.7 Hz rms, maximum (20 to 3000 Hz)
Spurious:	> - 80 dBc, typical
Harmonics:	> - 40 dBc, typical
BITE Scheme:	Phase Lock (CMOS "1" = Lock)
DC Power:	+ 15.5 V ± 4 % @ 237 mA, nominal
	- 15.5 V ± 4 % @ 80 mA, nominal
Power Consumption:	5 W, nominal

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature:	- 54 to + 85 °C, baseplate
Environment:	Airborne

MECHANICAL SPECIFICATIONS

Size: (excluding projections)	2.125 x 1.5 x 0.95 inches
	54 x 38 x 24 mm
Connectors:	GPO type
Weight:	4.5 oz (128 g), maximum



Specifications subject to change without notice.