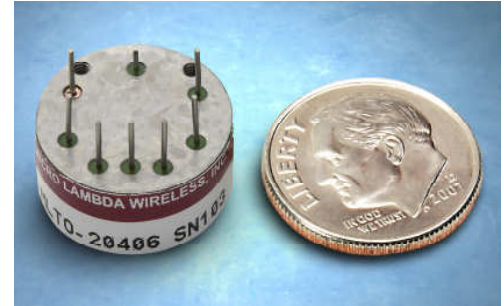


FEATURES

- 2-4 GHz Frequency Coverage
- FM/Phase-Lock Port
- TO-8 Package
- High Reliability



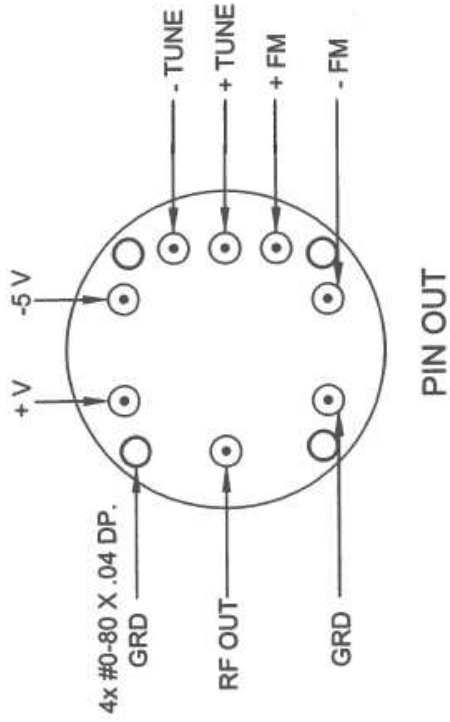
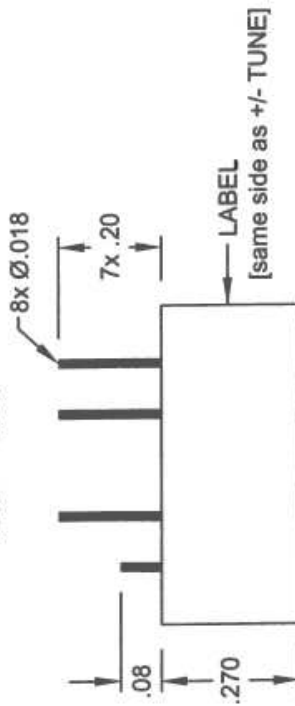
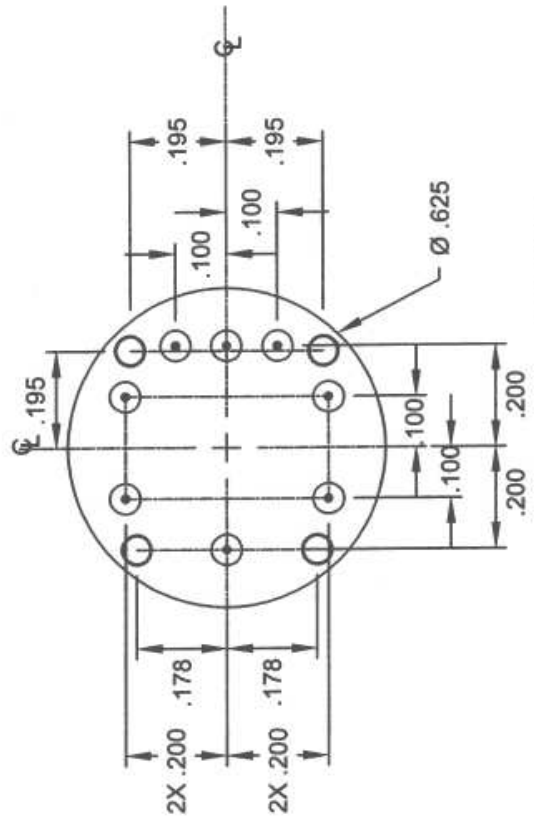
DESCRIPTION

The MICRO LAMBDA **MLTM**-Series Miniature YIG-Tuned Oscillators cover the frequency range of 2-4 GHz. They are fitted with a low power main coil, and FM coil for phase locking. All units operate from a +8 Volt and -5 Volt supply and operate over the 0° to + 65°C temperature range. Units do not require a heater.

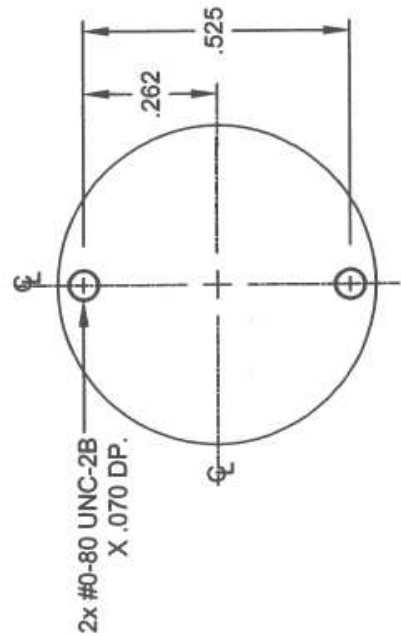
ELECTRICAL AND PERFORMANCE SPECIFICATIONS

Guaranteed Specifications at 0° to +65° C Case Temperature

Model No.	MLTM-20204
Frequency Range, Min.	2-4 GHz
Power Output, Min.	+10 dBm
Power Output Variation, Max.	3 dB
Freq. Drift over Temp., Max.	+/-10 MHz
Pulling Figure (12 dB RL), Typ.	2 MHz
Pushing Figure +8 Vdc, Typ.	2 MHz/V
Harmonics, Min.	-15 dBc
Spurious Output, Min.	-70 dBc
Phase Noise @ 10kHz Offset Typ	-100 dBc/Hz
@ 100kHz Offset Min.	-125 dBc/Hz
@ 100kHz Offset Typ.	-128 dBc/Hz
Main Coil	
Sensitivity, Typ.	11 MHz/mA
Linearity, Typ.	+/-2 MHz
Hysteresis, Typ.	1 MHz
Impedance @ 1 kHz, Typ.	11 Ohm/3 mH
FM Coil	
Sensitivity, Typ.	300 kHz/ma
3 dB Bandwidth, Typ.	2 MHz
Deviation @ 400 kHz, Min.	+/- 50 MHz
Impedance @ 1 MHz, Typ.	.7 Ohm/1 uH
DC Power, Max. +8.0 Vdc +/- 0.5 V	60 mA
-5.0 Vdc +/- 0.25 v	15 mA
Case Style	99-0091-023



WEIGHT: .36 Oz (10g)



REV	DESCRIPTION	DATE	APPROVED

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ARE :		CONTRACT NO.	
FRACTIONS	DECIMALS	APPROVALS	DATE
•	• .015	DRAWN N. NGUYEN	4/11/18
•	• .005	CHECKED <i>[Signature]</i>	ISSUED 4/11/18
MATERIAL	FINISH	CAGE NO. 0RN63	DWG. NO. 99-0091-023
		SCALE	REV. C

MICRO LAMBDA WIRELESS, INC.
PC MOUNT OSCILLATOR
 (Ø .625" X .270" HIGH W/ 4 MTC. SCREWS)

SHEET

DO NOT SCALE DRAWING