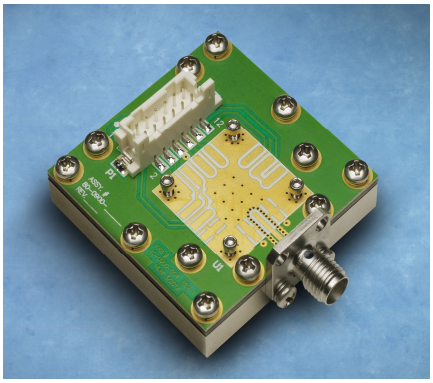
MICRO LAMBDA WIRELESS, INC.

MLOTF-10000
TO-8 YIG OSCILLATOR TEST FIXTURE

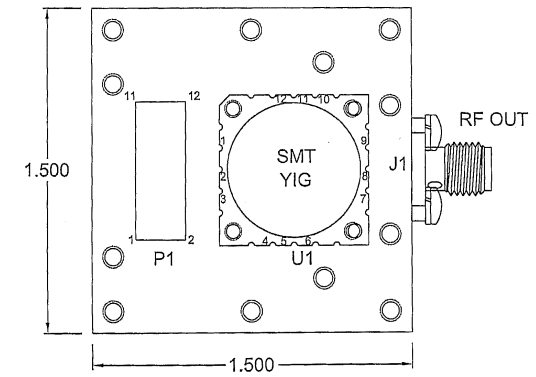


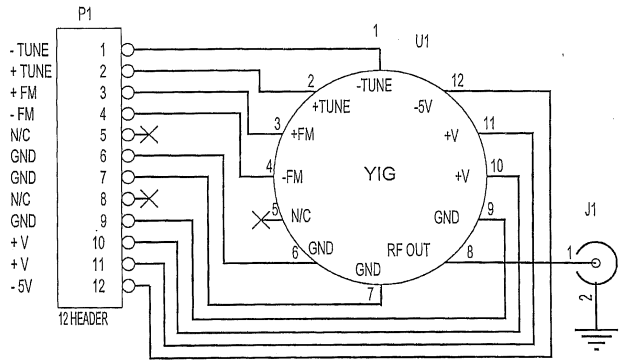
FEATURES

- TO-8 SMT Interface
- Simple Bolt-On Operation
- SMA RF Output
- Compatible DC Connector Provided

DESCRIPTION

The MICRO LAMBDA MLOFT-Series Oscillator Test Fixture has been specifically designed to accommodate all of the MLSMO model types. A compatible DC connector is provided to generate the necessary DC wire harness. DC wire harness instructions are given on page 2.





P1
CONNECTOR CHART

PINS NO.	CONN.	PINS NO.	CONN.
1	- TUNE	7	GND
2	+ TUNE	8	N/C
3	+ FM	9	GND
4	- FM	10	+ V
5	N/C	11	+ V
6	GND	12	- 5V

REV	DESCRIPTION	DATE	APPROVED

NOTES:

1. SUPPLY WITH 24" WIRE HARNESS W/MALE BANANA PLUGS.
2. WIRE HARNESS CONNECTION LIST - PART #99-0900-001.
3. PCB LAYOUT INFO. AVAILABLE ON REQUEST.
4. TWO +V PINS ARE AVAILABLE FOR CONNECTION
5. ALL PCB TRACES ARE GOLD PLATED.

ABSOLUTE MAXIMUM RATINGS:
+ V = -0.3V TO +8.5V ; -V = +0.3V TO -5.5V
FM COIL ⩽ 250mA ; TUNE COIL ⩽ 1200mA

UNLESS OTHERWISE SPECCIFIED DIMENSIONS ARE IN INCHES TOLERANCE ARE:
FRACTIONS DECIMALS ANGLES
± .xx ±.02
± .xxx ±.010
MATERIAL
FINISH
DO NOT SCALE DRAWING

CONTRACT NO.

APPROVALS	DATE
DRAWN N.NGUYEN	3/29/12
CHECKED DS	3/29/12
ISSUED	

MICRO LAMBDA WIRELESS, INC.

MLTO SMT DEMO TEST ASSY.

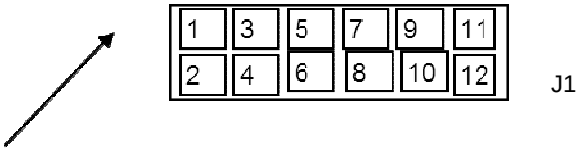
SIZE	CAGE No.	DWG. NO.	REV.
	0RN63	99-0091-012	

SCALE SHEET

MLOTF-10000 wire harness wirelist

WIRE #	COLOR	FROM	TO	NOTES	LENGTH	AWG
1	YEL/BLK	J1-1	BANANA PLUG (MALE) BLK	-TUNE	24"	26
2	YELLOW	J1-2	BANANA PLUG (MALE) RED	+TUNE	24"	26
3	RED/ WHT	J1-3	BANANA PLUG (MALE) RED	+FM	24"	26
4	RED/BLK	J1-4	BANANA PLUG (MALE) BLK	-FM	24"	26
5	N/C	J1-5	NOT USED	N/C		
6	BLACK	J1-6	BANANA PLUG (MALE) BLK	GND	24"	26
7	N/C	J1-7	NOT USED	N/C		
8	N/C	J1-8	NOT USED	N/C		
9	N/C	J1-9	NOT USED	N/C		
10	BLUE	J1-10	BANANA PLUG (MALE) BLUE	+V	24"	26
11	N/C	J1-11	NOT USED	N/C		
12	GREEN	J1-12	BANANA PLUG (MALE) GREEN	-5V	24"	26

BACK VIEW OF CONNECTOR



NOTE: (2) NOTCHES ON TOP OF CONNECTOR

STEP 1 STRIP .1" OF INSULATION OFF OF EACH WIRE
STEP 2 SOLDER TO EACH PIN ON CONNECTOR J1, PER ABOVE WIRELIST.
STEP 3 INSTALL HEAT SHRINK ON EACH WIRE, COVERING THE PINS AND HEAT.
STEP 4 STRIP .5" OF INSULATION OFF THE OTHER END OF WIRES AND INSTALL BANANA PLUGS

NOTE: DO NOT PUT SOLDER ON THE WIRES ATTACHED TO BANANA PLUGS

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