



NOTES:

1. UNLESS OTHERWISE INDICATED:  
NPN 2N3904, PNP 3906, DIODES 1N914/1N4148, RESISTORS 1/8W
2. L1 6T #24 .25 IN. DIA. OPEN-AIR, TAP 2T FROM GND
3. L2-L3 MOLDED INDUCTORS
4. L4 14T T37-12 (<math>300\text{nH}</math>)
5. L5 14T T37-12, TAP 5T FROM GND (<math>300\text{nH}</math>)
6. D3-D5 H-P 5082-2810 PIN DIODES

- (A) 74MHz 1.0Vpp (<math>+5\text{dBm}</math>)  
 (B) 74MHz 160mVpp (<math>-25\text{dBm}</math>) MAX PWR LEVEL



|   |   |                           |           |                 |
|---|---|---------------------------|-----------|-----------------|
| NATIONAL RADIO ASTRONOMY OBSERVATORY<br>SOCORRO, NEW MEXICO |   |                           |           |                 |
| PROJECT<br><b>EVLA</b>                                      | TITLE<br>4/P BAND TEST SET<br>74 MHz OSCILLATOR |                           |           |                 |
| Designed by:<br>PAUL HARDEN, NASN                           | DATE<br>FEB 2002                                | NRAO DWG NO.<br>A 301S011 | REV.<br>B | SHEET<br>1 of 3 |