



This is our interpretation of your specification. If this does not me

BECO PA

Frequency: 100 MHz

Output: 0 dBm min into 50 Ω
TBD dBm typical

Harmonics: -25 dBc min

Spurious: -60 dBc min

Operating Temp Range: -40°C to +65°C

Temp Stability and Aging: ± 5.0 ppm max for 17 years
 $\pm 5 \times 10^{-7}$ typical for temp stab.

Supply Voltage: +12 Vdc $\pm 5\%$

Curent: 350 mA max at turn-on

Power consumption: 4.2 Watts max at turn-on
1.2 Watts typical stabilized at +25°C

Voltage Control: $\pm 3 \times 10^{-7}$ typical for 0 to +5 volts Negative Si

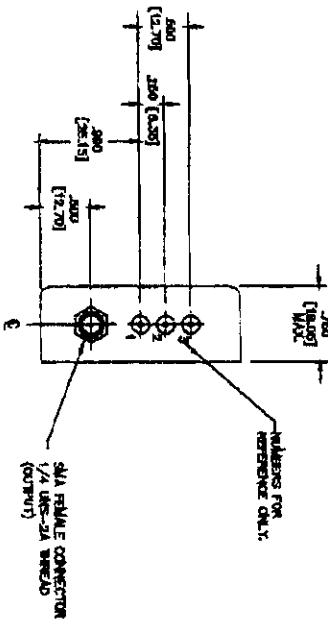
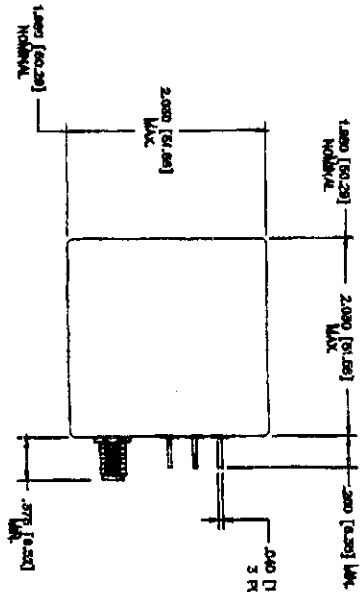
Phase Noise: -113 dBc 100 Hz
-135 dBc 1 KHz
-150 dBc 10 KHz
-154 dBc 100 KHz

Case Size: Per attached outline drawing

Date	Rev.	Revised per	Initials

Mechanical Eng:
Design Eng:
Release F
Specification No
Preliminary

PROPRIETARY INFORMATION
 DISCLOSURE OR DUPLICATION OF THIS
 MATERIAL, IN WHOLE OR IN PART, IS
 PROHIBITED EXCEPT AS AUTHORIZED
 IN WRITING BY BILEY ELECTRIC CO.



FIN CONNECTIONS
 1. VOLTAGE CONTROL
 2. RF. & CASE GND.
 3. + VDC

REVISION	
NO.	DATE

ATTENTION
 Static Sensitive
 Devices
 Handle only with
 Static Safe Work
 Station

DO NOT SCALE THIS DRAWING UNLESS SPECIFICALLY NOTED OTHERWISE
 ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED
 TOLERANCES ARE AS SHOWN
 UNLESS OTHERWISE SPECIFIED

BILEY ELECTRIC CO.
 2540 WEST CALADONNY BLVD.
 ONE, TOWNSHIP, OHIO

OUTLINE DRAWING

DATE	REV.	BY	CHKD.	APPR.

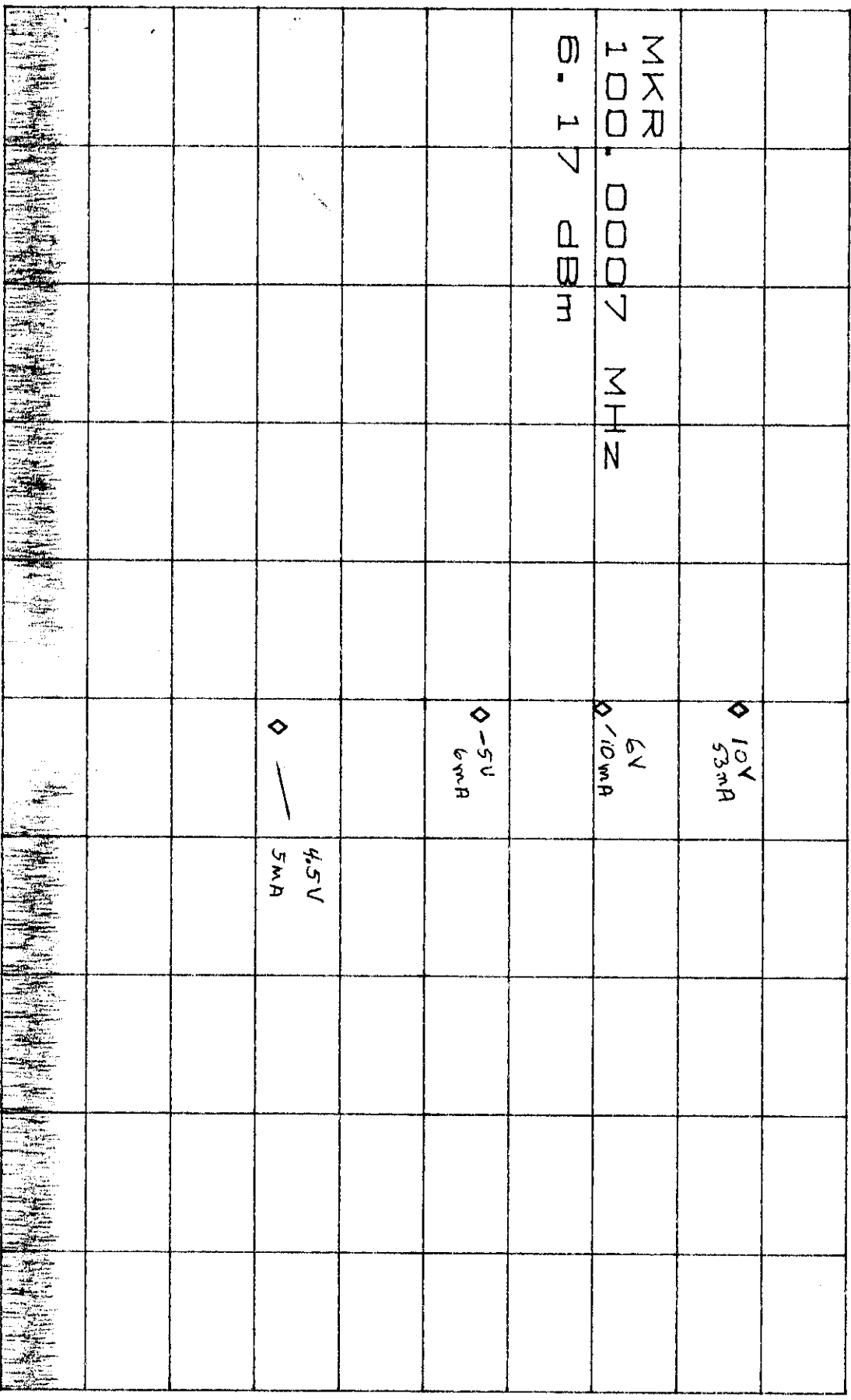
Part No. **71034** Revision No. Project

Scale: 1:1 Date: Drawn by: Checked by: Approved by: Date: Project:

Oscillator #2

orange = tone (unused for this plot)
 black = ground
 blue = DC in

ATTEN 30dB MKR 6.17dBm
 RL 20.0dBm 10dB/ 100.0007MHz



CENTER 100.0000MHz SPAN 100.0KHz
 RBW 1.0KHz VBW 1.0KHz *SWP 2.00sec

Note: frequency drift is probably due to reduced input voltage

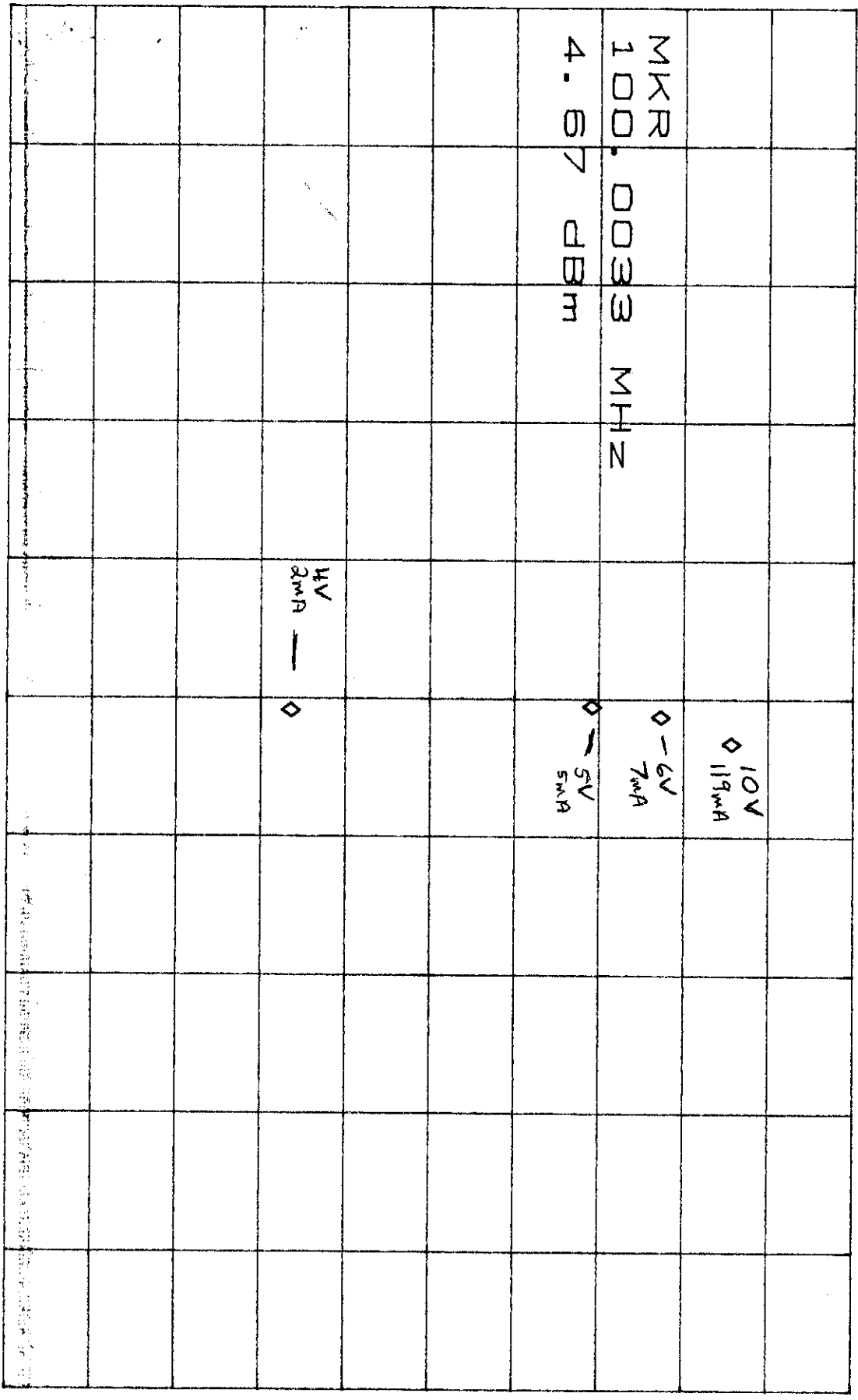
Oscillator #1

Orange = Tune (can used for this plot)

Black = Ground

Blue = DC IN

ATTEN 30DB RL 20.0DBm 10DB/ MKR 4.67DBm
100.0033MHZ



CENTER 100.0000MHZ SPAN 100.0KHZ
RBW 1.0KHZ VBW 1.0KHZ *SWP 2.00sec

Note: frequency drift is probably due to reduced input voltage