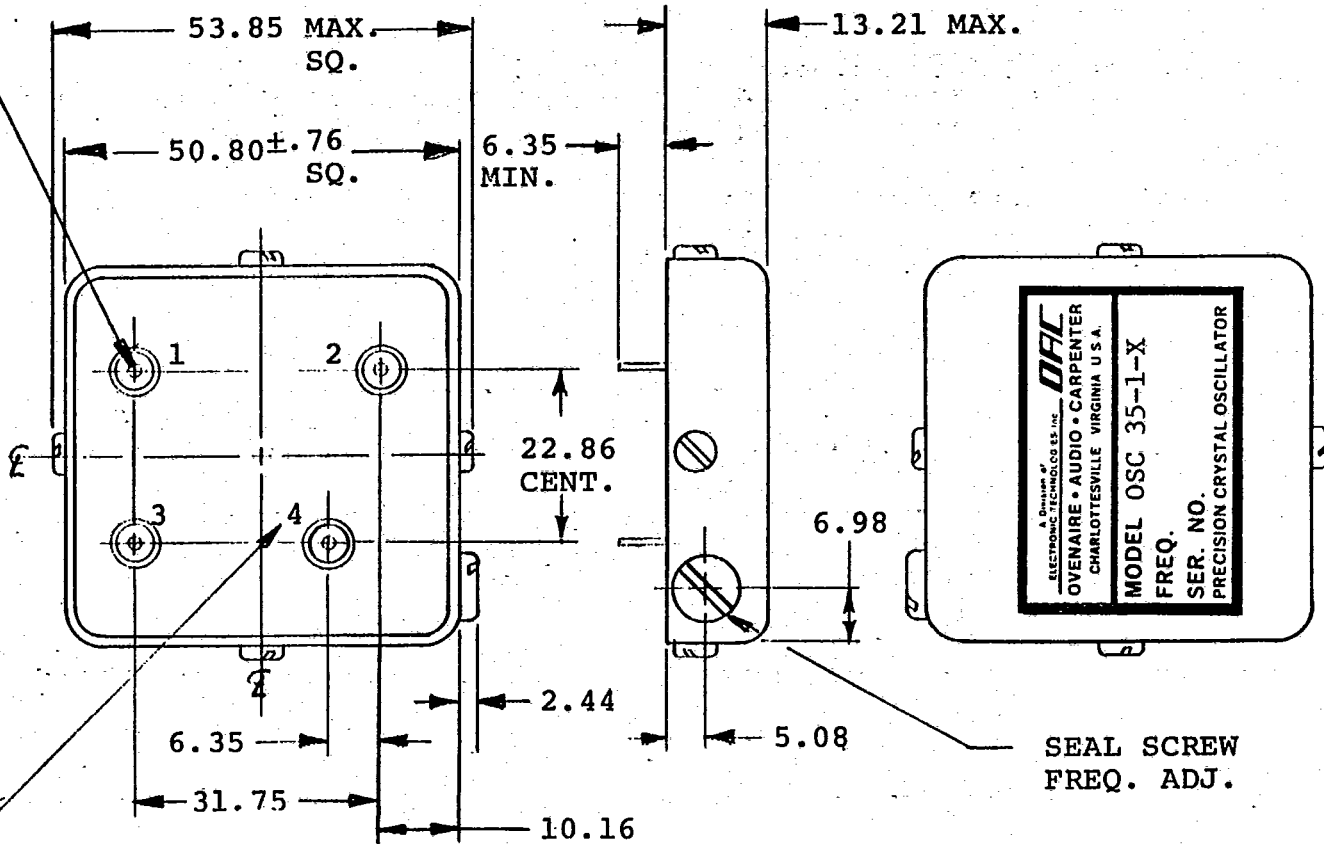


DIMENSIONS IN MILLIMETERS

1.00 MM DIA.
4 TERM.



NO'S SHOWN FOR REF. ONLY (NOT STAMPED ON UNIT)

PIN CONNECTIONS

- 1. RF OUTPUT
- 2. B+
- 3. CASE GROUND
- 4. 0 VDC

MM	INCHES
.76	.030
1.00	.040
2.44	.096
5.08	.200
6.35	.250
6.98	.275
10.16	.400
13.21	.520
22.86	.900
31.75	1.250
50.80	2.000
53.85	2.120

ovenaire

CHARLOTTEVILLE, VIRGINIA

NAME CATALOG THINLINE TCXO

SHT 1 OF 2
OSC 35-1 SERIES

TOLERANCES
UNLESS OTHERWISE SPECIFIED { MILLIMETERS ± .38 ANGES INCH DEC ± .015

SCALE 1:1
DWN M.W. 10-17-77
APP'D DAG 10-17-77

MATERIAL: COVER&BASE:BRASS
FINISH:BRITE NICKEL

MARKING: DECAL OR EPOXY INK

SHT. 1 OF 2 OSC 35-1 SERIES	C	NEW DECAL ADDED,	TNT	2/85
	B	REDRAWN	M.W.	10-17-77
	LET	REVISION	BY	DATE

T-50-09

A. GENERAL

This unit is a thinline TCXO, less than 2 cubic inches, featuring a glass crystal and excellent long term stability with logic output.

B. OUTPUT CHARACTERISTICS

1. Frequency and Part Number: See table below
2. Output Level: "0" Level +0.45 VDC maximum at 4.8 mA sink current
"1" Level +2.4 VDC minimum at 1.2 mA source current
3. Wave Form: Square Wave
4. Load: TTL Compatible (3 Loads)
5. Rise Time: 25 nanoseconds typical
6. Fall Time: 15 nanoseconds typical
7. Duty Cycle: 40/60 to 60/40 at +1.5 VDC Level

C. FREQUENCY STABILITY

1. Part Numbers	OSC 35-1-1	OSC 35-1-2	OSC 35-1-3
2. Frequency Range (MHz)	2.5 to 12	2.5 to 12	2.5 to 6
3. Aging after 60 days (Max)	1 x 10 ⁻⁶ per year		5 x 10 ⁻⁷ /yr.
4. Temperature Coefficient (Ref. to +25°C - No Offset)	±1 x 10 ⁻⁶ -5°C to +60°C	±5 x 10 ⁻⁷ -5°C to +60°C	±3 x 10 ⁻⁷ 0°C to +55°C
5. Short Term (10 sec) RMS	2 x 10 ⁻⁹	2 x 10 ⁻⁹	1 x 10 ⁻⁹
6. Voltage Stability	2 x 10 ⁻⁷ /2%	1 x 10 ⁻⁷ /2%	1 x 10 ⁻⁷ /2%

D. FREQUENCY ADJUSTMENT

1. Control: Piston type capacitor with screwdriver slot
2. Range: ± 3.5 x 10⁻⁶ minimum (sufficient for 5 years)
3. Resolution: ± 2.5 x 10⁻⁸ or better

E. POWER INPUT

1. Supply Voltage: +12.0 VDC ± 10% with 2% regulation
2. Supply Current: 25 milli-amp typical
3. Alternate Supply Voltages possible on customer request

F. MECHANICAL CONFIGURATION

1. Standard: See Sht. 1
2. Optional: See Ovenaire Representative for alternate or custom designed mounting.

SHT. 2 OF 2 OSC 35-1 SERIES				ovenaire		CHARLOTTESVILLE, VIRGINIA					
				NAME			SHT 2 OF 2				
				CATALOG THINLINE TCXO			OSC 35-1 SERIES				
				TOLERANCES			SCALE				
				UNLESS OTHERWISE SPECIFIED { MILLIMETERS ± ANGLES INCH DEC ±			DWN	d.h.	10-17-		
							APP'D	<i>ml</i>	10-17-77		
		C	REV. TO SHT. 1.	TNT	2/85	MATERIAL:			MARKING:		
		B	REV. "D" / RETYPED	D.H.	10/17/77						
		LET	REVISION	BY	DATE	FINISH:					