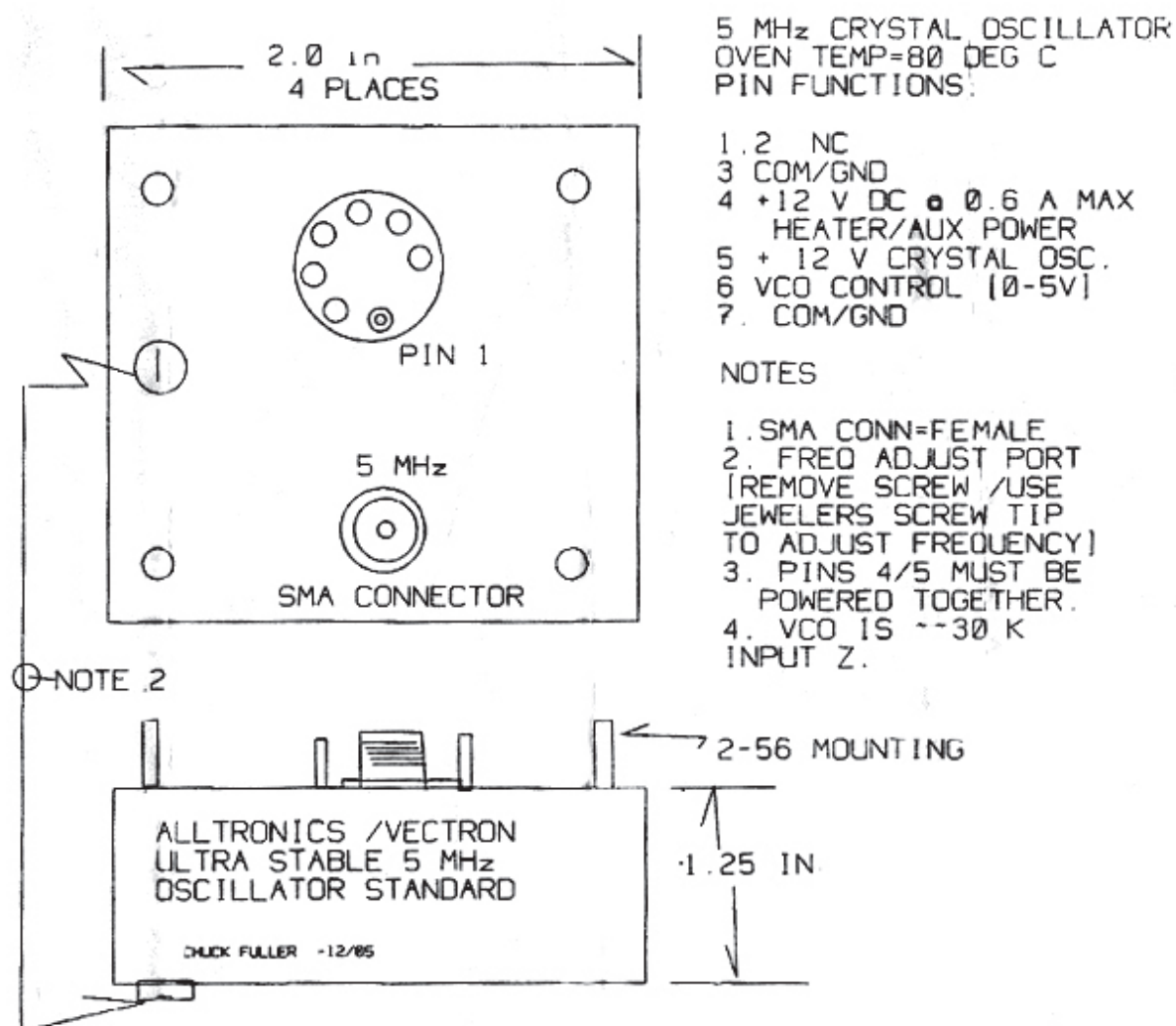


# Vectron 5Mhz Frequency Standard Oscillator



96852  
99112  
14036  
15214  
16582 (4008)

REV	DESCRIPTION	DATE	APPROVED
A	Added P/N 718Y2105-1 which changed location of tuning access hole.	3/94	JMD

Temp. stability:  $\pm 1 \times 10^{-7}$  over  $-30^{\circ}$  to  $+70^{\circ}\text{C}$

Aging:  $2.5 \times 10^{-10}/\text{day}$

Freq. vs. supply:  $2 \times 10^{-9}/\text{percent}$

Short-term:  
(Allan Variance)  $1 \times 10^{-11}/\text{second}$

Warm-up @  $-30^{\circ}\text{C}$ :  $1 \times 10^{-7}$  in 6 minutes after turn-on following 24 hours off)

Output: 1 Vrms into  $50\Omega$  (+13 dBm)

Level stability:  $\pm 2$  dB over  $-30^{\circ}/+70^{\circ}\text{C}$

Harmonics: -20 dBc

Subharmonics: None

ssb Noise/Hz: -120 dBc at 10 Hz  
-140 dBc at 100 Hz  
-150 dBc at 120 kHz

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

Input power:  $< 7\text{W}$  at turn-on ( $-30/+70^{\circ}\text{C}$ )  
 $< 2.0\text{W}$  stabilized at  $25^{\circ}\text{C}$

Frequency adjust: Range for 10 years aging, settable to  $5 \times 10^{-9}$   
(mechanical) nominal

Electrical tuning:  $1 \times 10^{-7}$  for 0 to 6V

Size: 2" x 2" x 1.25" (51x51x25.4 mm)

Base: SMA RF connector, solder header, 4 studs  
718Y2105: installation drawing A711-28-006 (obsolete)  
718Y2105-1: installation drawing A711-47-006 (active)

Mfg. # 700-00153 -1



FSCM <b>27802</b>	CO-718SL2 SERIES OCXO	SPECIFICATION CONTROL DWG NO 718Y2105	A REV
VECTRON LABORATORIES INC NORWALK CT		SHEET	OF