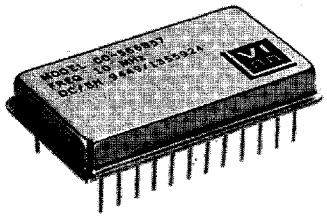
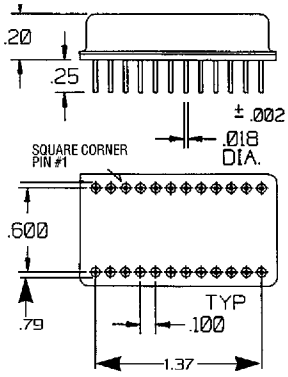
Space Qualified TCXOs

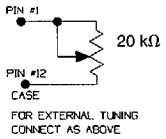
CO-566 SERIES



Features
- Hybridized 24 pin double DIP
- Small size: 0.8" x 1.4" x 0.2"
- Class S screening available for space applications
- 50g vibration optional
- Flatpack option
- Design and construction to MIL-0-055310, class "S" requirements
- Can be customized to meet your space requirements



Note: Dimensions in inches



Pin	Function
1	Ext. Tuning Input
2-11	N/C
12	Common, 0 Volt/Case
13	RF Output
14-23	N/C
24	B+

SPECIFICATIONS

CO-566 SERIES
24 pin double-DIP resistance welded package

FREQUENCY	HCMOS/TTL/Sine 5 MHz to 50MHz
STABILITY Temperature (Temp. Range **A**) +15°C to +35°C:	**CO-566A37:** $\pm 3 \times 10^{-7}$
(Temp. Range **B**) 0°C to +50°C:	**CO-566B57:** $\pm 5 \times 10^{-7}$
(Temp. Range **C**) 0°C to +70°C:	**CO-566C57:** $\pm 5 \times 10^{-7}$
(Temp. Range **D**) –20°C to +70°C:	**CO-566D36:** $\pm 3 \times 10^{-6}$ **CO-566D16:** $\pm 1 \times 10^{-6}$
(Temp. Range **E**) –40°C to +75°C:	**CO-566E56:** $\pm 5 \times 10^{-6}$ **CO-566E26:** $\pm 2 \times 10^{-6}$
(Temp. Range **F**) –55°C to +85°C:	**CO-566F56:** $\pm 5 \times 10^{-6}$ **CO-566F26:** $\pm 2 \times 10^{-6}$
(Temp. Range **G**) –55°C to +105°C:	**CO-566G56:** $\pm 5 \times 10^{-6}$
(Temp. Range **H**) –55°C to +125°C:	**CO-566H15:** $\pm 1 \times 10^{-5}$ "B" or "S" Screening available at reduced stability. Better aging and stability available with increased height. Contact factory with your requirements.
Aging Rate	2×10^{-6} per year, 1×10^{-6} per year option
Short Term	1×10^{-9} per second under constant conditions (Allan Variance)
Frequency vs Supply	2×10^{-8} per percent in supply for ≥10 Vdc 1×10^{-7} per percent in supply for <10 Vdc
OUTPUT / SUPPLY **Standard**	Output level Supply ±5% **HCMOS/TTL 5 Vdc, <25 mA **Drives 3 TTL loads, 10 LSTTL loads or HCMOS (output is from HCMOS gate)
Optional	Sine, +7 dBm/50Ω } 15 Vdc, <25 mA
FREQUENCY ADJUSTMENT	Tuning via external potentiometer with range sufficient to compensate for 10 years aging.
SIZE	0.8" x 1.4" x 0.2" Flatpack optional. If packaged crystal is used internally (for better aging) ht = 0.49"