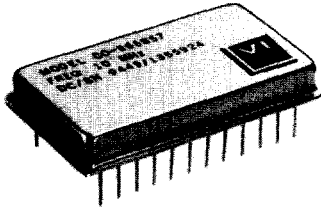


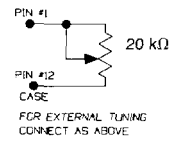
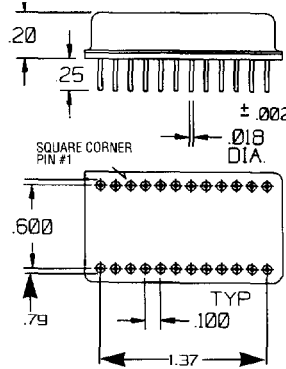
# Space Qualified TCXOs

## 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



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

Note: Dimensions in inches

## SPECIFICATIONS

### CO-566 SERIES

24 pin double-DIP resistance welded package

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