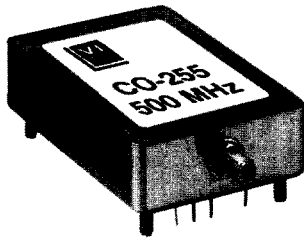
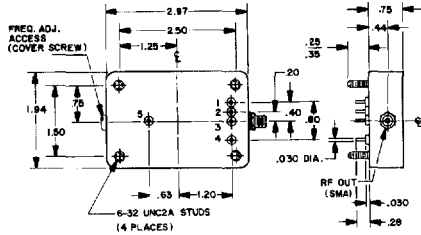


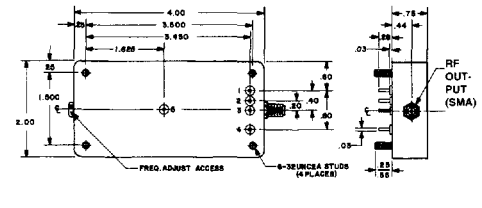
# High Frequency High Stability TCXOs



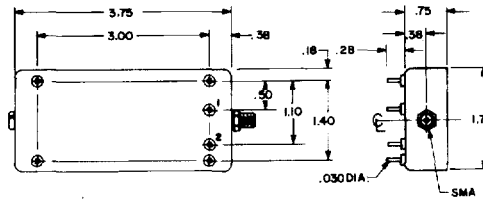
## CO-255 SERIES



## CO-256 SERIES



## CO-856 SERIES



Note: Dimensions in inches

### Features

- Frequencies to 1 GHz
- High stability to  $\pm 1 \times 10^{-7}$

## SPECIFICATIONS

	CO-255 SERIES	CO-256 SERIES	CO-856 SERIES
<b>FREQUENCY</b>	140.1 - 420 MHz	420.1 - 630 MHz	630.1 - 1000 MHz
<b>STABILITY</b> Temperature (Temp. Range A) +15°C to +35°C: (Temp. Range B) 0°C to +50°C: (Temp. Range C) 0°C to +70°C: (Temp. Range D) -20°C to -70°C: (Temp. Range E) -40°C to +75°C: (Temp. Range F) -55°C to +85°C: (Temp. Range G) -55°C to +105°C: (Temp. Range H) -55°C to +125°C:	CO-255A57: $\pm 5 \times 10^{-7}$ CO-255A17: $\pm 1 \times 10^{-7}$	CO-256A57: $\pm 5 \times 10^{-7}$ CO-256A17: $\pm 1 \times 10^{-7}$	CO-856A57: $\pm 5 \times 10^{-7}$ CO-856A17: $\pm 1 \times 10^{-7}$
	CO-255B16: $\pm 1 \times 10^{-6}$ CO-255B57: $\pm 5 \times 10^{-7}$ CO-255B27: $\pm 2 \times 10^{-7}$	CO-256B16: $\pm 1 \times 10^{-6}$ CO-256B57: $\pm 5 \times 10^{-7}$ CO-256B27: $\pm 2 \times 10^{-7}$	CO-856B16: $\pm 1 \times 10^{-6}$ CO-856B57: $\pm 5 \times 10^{-7}$
	CO-255C36: $\pm 3 \times 10^{-6}$ CO-255C16: $\pm 1 \times 10^{-6}$ CO-255C37: $\pm 3 \times 10^{-7}$	CO-256C36: $\pm 3 \times 10^{-6}$ CO-256C16: $\pm 1 \times 10^{-6}$ CO-256C37: $\pm 3 \times 10^{-7}$	CO-856C36: $\pm 3 \times 10^{-6}$ CO-856C16: $\pm 1 \times 10^{-6}$
	CO-255D56: $\pm 5 \times 10^{-6}$ CO-255D16: $\pm 1 \times 10^{-6}$ CO-255D57: $\pm 5 \times 10^{-7}$	CO-256D56: $\pm 5 \times 10^{-6}$ CO-256D16: $\pm 1 \times 10^{-6}$ CO-256D57: $\pm 5 \times 10^{-7}$	CO-856D56: $\pm 5 \times 10^{-6}$ CO-856D16: $\pm 1 \times 10^{-6}$
	CO-255E56: $\pm 5 \times 10^{-6}$ CO-255E26: $\pm 2 \times 10^{-6}$ CO-255E16: $\pm 1 \times 10^{-6}$	CO-256E56: $\pm 5 \times 10^{-6}$ CO-256E26: $\pm 2 \times 10^{-6}$ CO-256E16: $\pm 1 \times 10^{-6}$	CO-856E56: $\pm 5 \times 10^{-6}$ CO-856E26: $\pm 2 \times 10^{-6}$
	CO-255F56: $\pm 5 \times 10^{-6}$ CO-255F26: $\pm 2 \times 10^{-6}$ CO-255F16: $\pm 1 \times 10^{-6}$	CO-256F56: $\pm 5 \times 10^{-6}$ CO-256F26: $\pm 2 \times 10^{-6}$ CO-256F16: $\pm 1 \times 10^{-6}$	CO-856F56: $\pm 5 \times 10^{-6}$
	CO-255G56: $\pm 5 \times 10^{-6}$	CO-256G56: $\pm 5 \times 10^{-6}$	N/A
	CO-255H15: $\pm 1 \times 10^{-5}$	CO-256H15: $\pm 1 \times 10^{-6}$	N/A
<b>Aging Rate</b>	1 x 10 <sup>-6</sup> /year		
<b>Short Term (Allan Variance)</b>	1 x 10 <sup>-6</sup> /second under constant conditions		
<b>Frequency vs Supply</b>	2 x 10 <sup>-8</sup> per percent in supply		
<b>OUTPUT / SUPPLY (<math>\pm 5\%</math>)</b>	Output level		***Supply $\pm 5\%$
	Standard: $\geq 0.5$ Vrms/50 $\Omega$ (+7 dBm) *Option "R": $\geq 1.0$ Vrms/50 $\Omega$ (+13 dBm) **Option "M": 100K ECL		+15 Vdc +15 Vdc +15 Vdc and -5.2 Vdc (-4.5 Vdc optional)
<b>Current</b>	Sine: <50 mA ECL: <30 mA for oscillator; also <60 mA at -5.2V	<60 mA	<85 mA
<b>Harmonics and Sub-Harmonics (sine output)</b>	Harmonics and subharmonics are -20 dbc. Improved harmonic and subharmonic attenuation optional.		
<b>FREQUENCY ADJUSTMENT</b>	Mechanical Range sufficient to compensate for 5 to 10 years of crystal aging; settable to $< 1 \times 10^{-7}$ Option "V": VCXO control permits remote frequency adjustment or phase locking. N/A in CO-856		