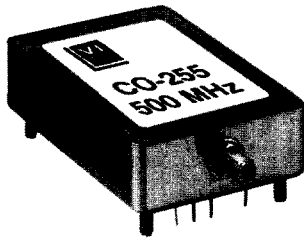
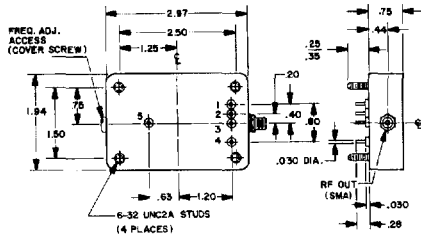


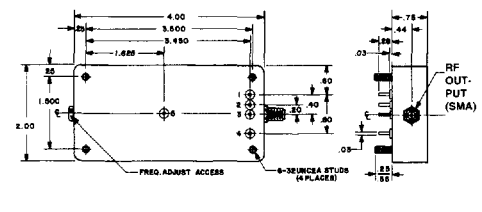
High Frequency High Stability TCXOs



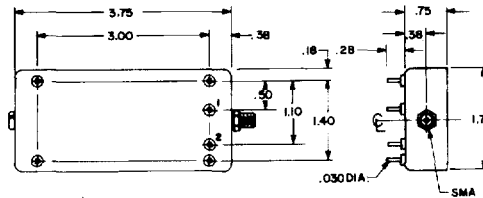
CO-255 SERIES



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
FREQUENCY	140.1 - 420 MHz	420.1 - 630 MHz	630.1 - 1000 MHz
STABILITY 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
Aging Rate	1 x 10 ⁻⁶ /year		
Short Term (Allan Variance)	1 x 10 ⁻⁶ /second under constant conditions		
Frequency vs Supply	2 x 10 ⁻⁸ per percent in supply		
OUTPUT / SUPPLY ($\pm 5\%$)	Output level		***Supply $\pm 5\%$
	Standard: ≥ 0.5 Vrms/50 Ω (+7 dBm) *Option "R": ≥ 1.0 Vrms/50 Ω (+13 dBm) **Option "M": 100K ECL * Not available in CO-856 ** Only available in CO-255 *** Any supply in 12-24 Vdc range optional		+15 Vdc +15 Vdc +15 Vdc and -5.2 Vdc (-4.5 Vdc optional)
Current	Sine: <50 mA ECL: <30 mA for oscillator; also <60 mA at -5.2V	<60 mA	<85 mA
Harmonics and Sub-Harmonics (sine output)	Harmonics and subharmonics are -20 dbc. Improved harmonic and subharmonic attenuation optional.		
FREQUENCY ADJUSTMENT	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		