



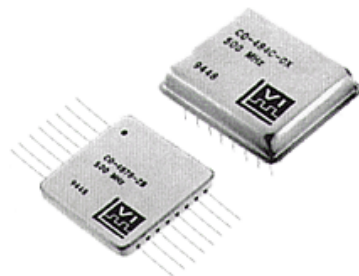
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Go

[VCXOs](#) > [Additional VCXOs](#) > [CO-484V / 487V](#)

CO-484V / 487V Voltage Controlled Crystal Oscillators (VCXO)



Features:

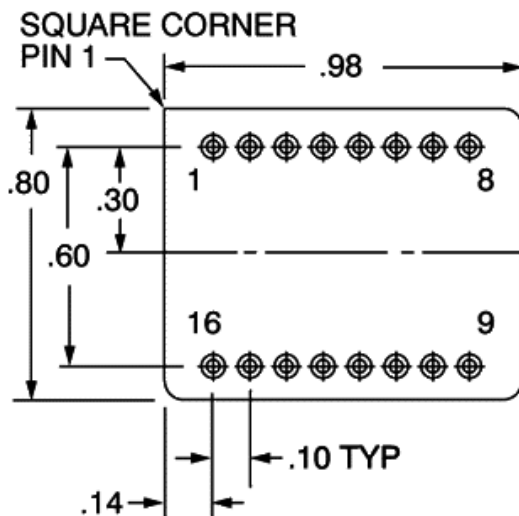
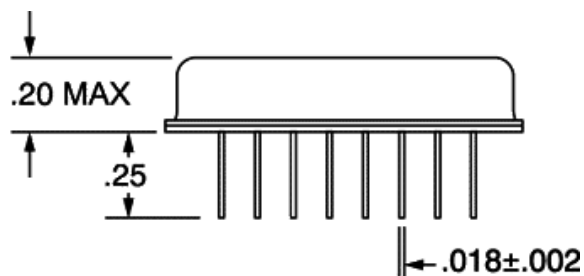
- Frequencies to 200 MHz
- Deviation to ± 200 ppm
- Low Profile hybrid 16 Pin DDIP and 16 pin flatpack
- ± 7 dBm Sinewave output option

Phase Locking Applications (8MHz to 200MHz sinewave)	Voltage Controlled Crystal Oscillators			
Configurations	low profile DDIP or Flatpack			
Series	(a)CO-484V (b)CO-487V			
Center Frequency	8-200 MHz			
Output	0.5 Vrms/50 Ω (+7dBm). Option "R": +13 dBm (≤ 160 MHz). Harmonics and sub-harmonics are -20 dBc (-40dBc optional).			
Supply Voltage ($\pm 5\%$)	Supply: +15 Vdc (+12 Vdc to +24 Vdc optional)			
Deviation / Stability Alternatives	Code	Temperature Range	Temperature Stability	** Minimum Deviation
	0	0/+50°C	± 10 ppm	± 30 ppm
	A	0/+50°C	± 20 ppm	± 50 ppm
	B	0/+50°C	± 35 ppm	± 100 ppm
	C*	0/+50°C	± 35 ppm	± 200 ppm
	D	0/+70°C	± 20 ppm	± 40 ppm
	E	0/+70°C	± 40 ppm	± 100 ppm
	F*	0/+70°C	± 40 ppm	± 200 ppm
	G	-20/+70°C	± 30 ppm	± 60 ppm
	H	-20/+70°C	± 40 ppm	± 100 ppm
	I*	-20/+70°C	± 40 ppm	± 200 ppm
	J	-40/+85°C	± 40 ppm	± 60 ppm
	K	-40/+85°C	± 50 ppm	± 100 ppm
	L*	-40/+85°C	± 50 ppm	± 200 ppm
	M	-55/+85°C	± 50 ppm	± 100 ppm
	N*	-55/+85°C	± 50 ppm	± 200 ppm
** Deviation is referenced to the specified output frequency . For example, inModel CO-484V-EX @ 100 MHz, at 25°C and 0V control, the frequency is at least 100 ppm below 100 MHz and at +5V the frequency is at least 100 ppm above 100 MHz. *The following notes apply to options C,F,I,L and N (± 200 ppm deviation);				
• They are available at frequencies up to 75 MHz in all models • Linearity of $\pm 10\%$ is standard to 75 MHz.				
Control Voltage	0 to +6 V positive transfer function (lowest frequency at 0 V) * ± 3 V to ± 10 V optional *With bipolar control voltage option, transfer function is negative, and linearity is $\pm 10\%$			

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Linearity	±20% (±10% optional); ±10% is standard with bipolar control voltage and with deviation/stability options C, F, I, L and N.
Size	CO-484: 16 pin double DIP 0.8" x 0.98" x 0.2" CO-487: Flatback 1.0" x 1.0" x 0.17"
How to Order	CO-48[Package Style]V-[Deviation/Stability][X]-Frequency Package Style "4" = 16 pin DDIP "7" = 16 lead flatpack Deviation / Stability (See above) Screen Test Level : X

[top of page](#)**CO-484V**

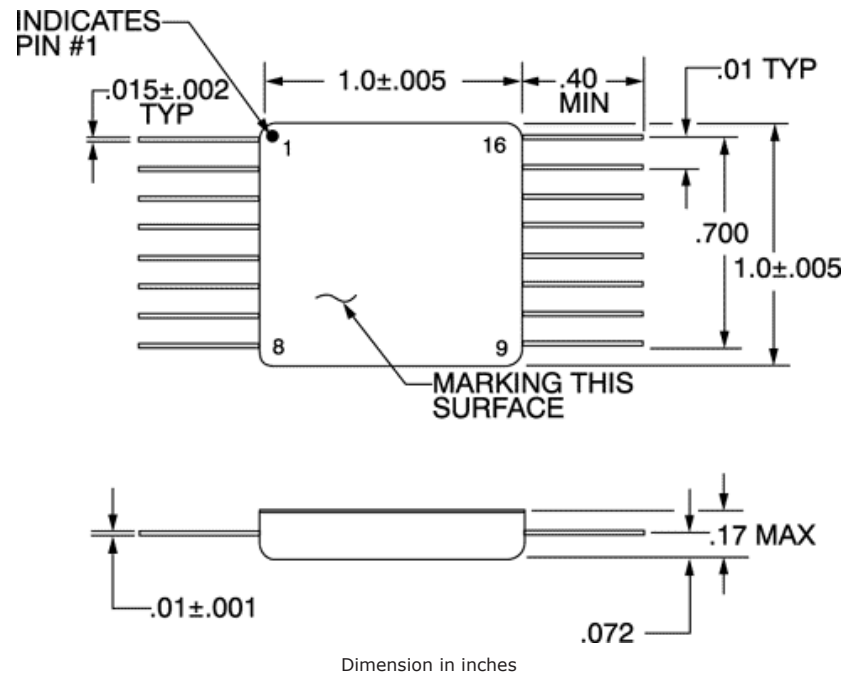
Dimension in inches

Pinouts

Pin	Function
6	VCXO
8	OV, Case
9	Output
16	Supply (+)

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CO-487V



[top of page](#)

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