

Features:

- Frequency Range 5 to 30 MHz
- Stabilities as low as ± 1.0 ppm
- Small Footprint - Only 1.02" x .62
- Mechanical Frequency Adjust

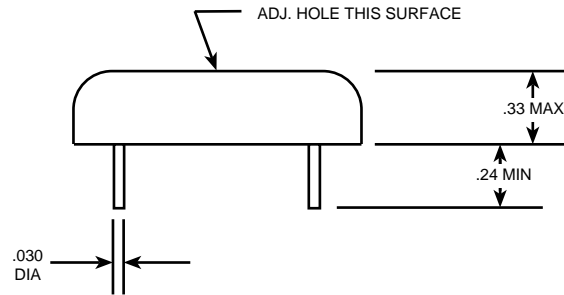
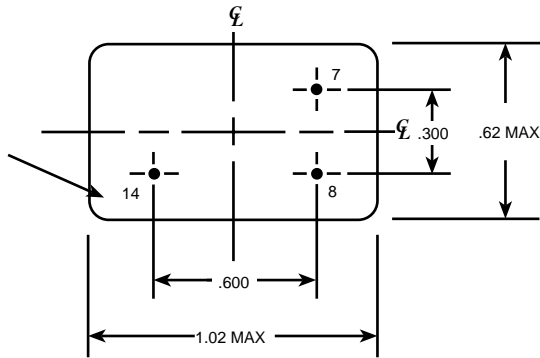


The CTS Reeves Model 533 is a high stability TCXO with a 14 pin DIL compatible footprint. The package measures only 1.02" x .62" x .33". The topside frequency adjust is easy to reach. There are a variety of temperature and stability options to choose from. The Model 533 is the perfect choice for instrumentation and communications applications.

Electrical Specifications:

<i>Parameter</i>	<i>Frequency Range (MHz)</i>	
	5-20.0 MHz	20-30 MHz
Supply Current (mA)	25 Max.	30 Max.
Supply Voltage (Vdd)	5V $\pm 5\%$	
Output Type	HCMOS/TTL (15 pF)	
Symmetry	50% $\pm 10\%$ (at 2.5V)	
Logic "0" Level	.5V Max. (15 pF)	
Logic "1" Level	3.5V Min. (15 pF)	
Rise/Fall Time	10 nS Max. (15 pF)	
Aging	± 1.0 ppm/year Max.	
Stability	See Chart	
Frequency Adjust	± 5 ppm Min.	
Adjust Voltage (Pin 6)	0.5 to 4.5V (2.5V Center)	

Outline Drawing and Pin Connections:



Pin Connections

PIN	FUNCTION
1	NC
7	COMMON GND.
8	OUTPUT
14	+Vcc

Mechanical Specifications:

Case:

CRS, hot tin dipped

Leads:

Nickel plated with solder coating

Seal:

Solder seal

Solderability:

95% solder coverage, using RMA flux 63
Sn / 37 Pb solder at +245°C ±5°C

Temperature:

Operating: See chart
Storage: -55° to 85°C

Vibration:

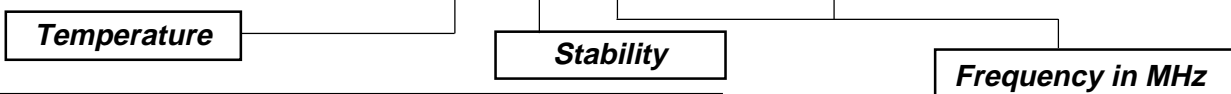
10 G's rms, 20 to 2000 Hz

Mechanical Shock:

50 G's 5ms pulse (3 shock/plane)

Ordering Information:

Model Type 533



Temperature - Stability Options						
		B	C	D	E	F
Temp. Range	T / S	±1.0	±2.0	±2.5	±5	±12.0
A	0° to 50°	X	X	X	X	X
B	0° to 70°		X	X	X	X
C	-20° to 70°				X	X
D	-30° to 75°				X	X
E	-40° to 85°					X

Temperatures in °C.
Stability in ppm