

Features:

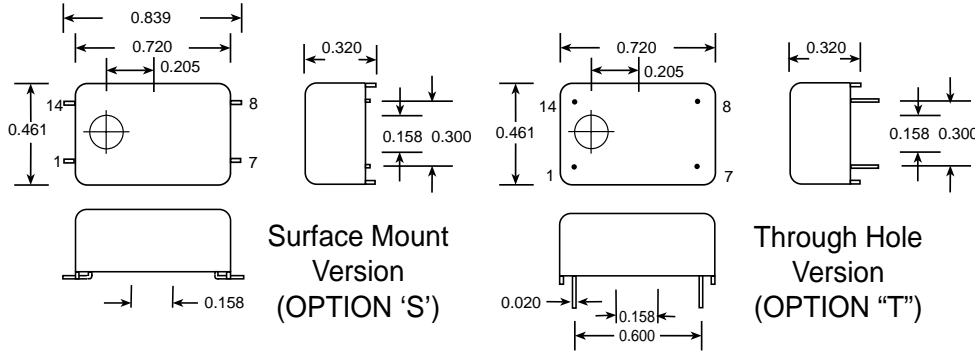
- Frequency Range 10 to 120 MHz
- Surface Mountable Option
- Low Power Consumption
- Optional Temperature Stabilities
- Low Cost
- Electrical Frequency Adjust



The CTS Reeves Model 535 is a low cost Temperature Compensated Crystal Oscillator with excellent temperature stabilities. The small package and low profile make it ideal for almost any application. The electrical frequency adjust makes calibration easy. The Model 535 is ideal for MW and radio applications

Electrical Characteristics:

NOMINAL FREQUENCY	10.0 MHz to 120.0 MHz
CALIBRATION TOLERANCE	settable to nominal with a 0V to +5V AFC
OPERATING TEMPERATURE	See chart 0° to 50°C to -40° to +85°C
FREQUENCY vs. AMBIENT	See chart ±.5 ppm to ±2 ppm
FREQUENCY vs. TIME	See chart 3 ppm/yr to .5 ppm/yr
POWER INPUT	25 ma (max)
OSCILLATOR VOLTAGE	See chart +5V or +12V
OUTPUT TYPE	Sine/HCMOS
LOAD	Sine - 50 Ohms; HCMOS - up to 50pF
ELECTRICAL FREQ. ADJUST (NEGATIVE SLOPE)	0 ±5V (Center Freq. 2.5V ±0.5V) ±5 ppm Typical



Pin Connections

PIN	FUNCTION
1	VCXO
7	GND.
8	OUTPUT
14	SUPPLY V

Mechanical Specifications:

Case:

CRS, nickel plated

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:

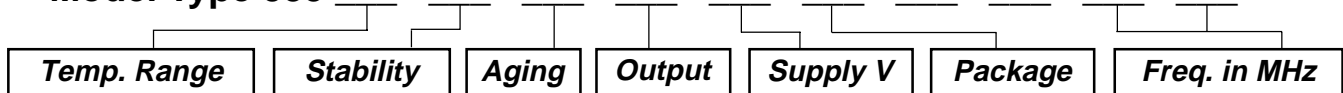
10 G's rms, 20 to 2000 Hz

Mechanical Shock:

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

Ordering Information:

Model Type 535



Temp Stability		±5 x 10 ⁻⁷	±1 x 10 ⁻⁶	±2 x 10 ⁻⁶
Temp Range	Code	A	B	C
0° to 50°C	A	X	X	X
0° to 70°C	B		X	X
-30° to 70°C	C		X	X
-40° to 85°	D			X

1 st Year Aging	Code
±3.0 ppm	A
±1.0 ppm	B
±0.5 ppm	C

Supply Volt	Code
+12V	A
+5V	B

Package	
T	Thru Hole
S	Surface Mount

Output	Code
HCMOS	H
Sinewave	S

* Note: Not all options are available at all Frequencies.
Temperature in °C Stability in ppm