

## TEMPERATURE COMPENSATED CRYSTAL OSCILLATORS

The following are just a few of the Models and Options offered by CTS Reeves. Please see the following pages for complete information.

### 14 PIN DIL PACKAGES: 6 TO 60 MHz

Packaged in an all metal hermetically sealed case, these oscillators provide good long term stability with improved temperature stability. They are ideal for any application requiring moderate stability in a small package. Available with either TTL or CMOS output, other options include external frequency adjust.



MODEL TYPE	FREQ. RANGE	STABILITY*	TEMP. RANGE	OUTPUT	INPUT VOLTAGE	INPUT CURRENT	INPUT CURRENT
533BD	6 to 60 MHz	±3 PPM	0° to 70°C	TTL	5V, ±5%	40 ma (max)	1 PPM / yr
524DD	10 to 20 MHz	±2.5 PPM	-30° TO +75°C	CLIPPED SINE	5V, ±5%	3 ma (max)	1 PPM / yr
535	10 to 125 MHz	±2 PPM	-40° to 85°C	CMOS	5V, ±5%	40 ma (max)	1 PPM / yr

### SURFACE MOUNT PACKAGES: 10 to 125 MHz

CTS Reeves blends high performance with Mini Packages. ASIC design and miniature components allow for higher frequencies and better temperature performance. Electrical frequency adjust allows for easier setting.

MODEL TYPE	FREQ. RANGE	STABILITY*	TEMP. RANGE	OUTPUT	INPUT VOLTAGE	INPUT CURRENT	PACKAGE TYPE**	AGING (1ST YR)
522	10 to 20 MHz	±2.5 PPM	-20° to 70°C	CLIPPED SINE	5V, ±5%	3 ma (max)	0.72 x .46	1 PPM
535	10 to 125 MHz	±2 PPM	-40° to +85°C	TTL	5V, ±5%	40 ma (max)	/80 c /5- -40 to +85°C	1 PPM

### DISCRETE PACKAGES: 1 TO 160 MHz

CTS Reeves TCXO's use a variety of compensation techniques to provide a wide range of options and sizes. These oscillators provide excellent performance at the most economical cost. In house control over the most critical operations and extensive use of process controls insures a high quality product on-time. Available with either TTL or CMOS output, other options include Tristate output and electrical frequency adjust.

MODEL TYPE	FREQ. RANGE	STABILITY*	TEMP. RANGE	OUTPUT	INPUT VOLTAGE	INPUT CURRENT	PACKAGE TYPE**	AGING (1ST YR)
512	3.2 to 16 MHz	±1 PPM	0° to +50°C	TTL	5V, ±5%	10 ma (max)	C	1 PPM
512	4 to 20 MHz	±1 PPM	-40° to +85°C	TTL	5V, ±5%	25 ma (max)	E	1 PPM
531	3.0 to 50 MHz	±0.5 PPM	0° to +70°C	TTL	5V, ±5%	35 ma (max)	16 PIN DIP	1 PPM
555	10 to 155 MHz	±2 PPM	-40° to +85°C	ECL	-5.2V, ±5%	25 ma (max)		1 PPM
505	10 to 25 MHz	±.3 PPM	0° to +50°C	TTL	5V	35 ma (max)		2 PPM/ 10 Yrs