



Crystal Oscillators > 4 to 30 MHz > Streamline OCXO

**Features:**

- Very Low Phase Noise
- Very Good Frequency Stability over Temperature
- PCB Mount and SMA Packages Available
- Internal Voltage Regulator
- Low Aging Rate

**Applications:**

- High Performance General Purpose OCXO
- GPS Receivers
- Synthesizers



The Streamline oscillators offer excellent overall performance at a modest cost. Industry standard packaging is available with various connector and pin styles. Please let us know your custom packaging needs. SC-cut crystals provide aging to  $1 \times 10^{-10}$  per day and phase noise floors to  $-165$  dBc. Includes an internal voltage regulator and high performance oven.

Typical Specifications:						
Frequency (Specify)		4 to 30 MHz				
Frequency		5	10		MHz	
Output Level		+13			dBm	
Aging		$\pm 1 \times 10^{-9}$ to $\pm 5 \times 10^{-10}$				
Phase Noise	10 Hz	-130	-135	-120	-130	dBc/Hz
	100 Hz	-155	-160	-155	-155	dBc/Hz
	1 kHz	-165	-165	-165	-165	dBc/Hz
	10 kHz	-165	-165	-165	-165	dBc/Hz
Temperature Stability (Specify)						
Range A	0 to +50C					
Range B	0 to +65C					
Range C	0 to +70C	$\pm 1.5 \times 10^{-8}$ to		$\pm 1.5 \times 10^{-8}$ to		
Range D	-20 to +70C	$\pm 2 \times 10^{-9}$		$\pm 5 \times 10^{-9}$		
Range E	-40 to +70C					
Range F	-55 to +85C					
Spurious		-80			dBc	
Harmonics		-30			dBc	
Electrical Tuning Range (Specify)						
Tuning A	0 to +10 VDC	$\pm 2 \times 10^{-7}$ to $\pm 2 \times 10^{-6}$				
Tuning B	$\pm 5$ VDC					
Supply Voltage (Specify)		+12 or +15			VDC	
Warm-up Power		5			Watts	
Total Power typical		2.2			Watts	
Crystal Type		SC				
Dimensions		51 x 51 x 25.4			mm	
		2.0 x 2.0 x 1.0			inches	
Connectors	Style A	Solder pins on base				
	Style B	SMA and Feedthrus				

