

<b>Nominal Frequency</b>	20.000000 MHz.
<b>Frequency Stability</b>	$\pm 2.0$ ppm maximum over $-40$ to $+85^{\circ}\text{C}$ w.r.t. nominal frequency at $+25^{\circ}\text{C}$ .
<b>With Temperature</b>	$\pm 2.0$ ppm maximum over 10 years at $+25^{\circ}\text{C}$ .
<b>With Time</b>	$\pm 0.3$ ppm maximum for a $\pm 5.0\%$ change.
<b>With Supply Voltage</b>	
<b>Operating Temperature Range</b>	$-40$ to $+85^{\circ}\text{C}$ .
<b>Storage Temperature Range</b>	$-40$ to $+85^{\circ}\text{C}$ .
<b>Supply Voltage</b>	$+5.0\text{Vdc} \pm 5.0\%$ .
<b>Supply Current</b>	$2.0\text{mA}$ maximum.
<b>Output Characteristics</b>	
<b>Waveform</b>	Sinewave Clipped A.C. Coupled.
<b>Output Level</b>	$1.00$ volts peak to peak minimum.
<b>Load Impedance</b>	$10\text{k Ohms}$ in parallel with $10$ pF.
<b>Start-up Time</b>	$5\text{ms}$ maximum to reach $90\%$ of final amplitude.
<b>Frequency Adjustment Range</b>	$\pm 28.0$ ppm minimum w.r.t. nominal frequency at $+25^{\circ}\text{C}$ via an external control voltage range of $+0.50\text{V}$ to $+4.50\text{V}$ applied to pin 1.
<b>Polarity</b>	Positive - Frequency increases with applied voltage.
<b>Linearity</b>	$\pm 10\%$ maximum error.
<b>Input Impedance</b>	$50\text{k Ohms}$ minimum.
<b>Modulation</b>	$(3\text{dB})$ DC to $20\text{kHz}$ min.
<b>Mechanical Trimming</b>	$\pm 5.0$ ppm minimum w.r.t. nominal frequency at $+25^{\circ}\text{C}$ with $+2.5\text{V}$ on pin 1.
<b>Phase Noise Response</b>	Offset $10\text{Hz}$ $100\text{Hz}$ $1\text{kHz}$ $10\text{kHz}$ $100\text{kHz}$ $\text{dBc/Hz}$ $-70$ ..... $-95$ .... $-120$ ... $-140$ .... $-150$
<b>RoHs Compliance</b>	No
<b>Package Style</b>	

**Pin Connections:**

- 1** Frequency Adjustment \*
- 7** Ground
- 8** Output
- 14** +VE Supply

\* or No Connection when specified

