



Quartz Pro x-act™ 60 + MHz		
<b>1</b>	<b>Temperature Range</b> Operating Storage	-40 to + 85 °C -55 to + 125 °C
<b>2</b>	<b>Supply Voltage (V<sub>cc</sub>)</b>	5V or 9V
<b>3</b>	<b>Power Consumption</b> (@ airflow 1±0.4 m/s) During Warm-Up At Steady State in temperature range @ 25 °C	≤ 4.5 W ≤ 3.2 W ≤ 1.8 W
<b>4</b>	<b>Frequency Stability</b> (@ airflow 1±0.4 m/s) <b>vs</b> Temperature Warm-Up ≤ 3 min @ 25 °C Short Term Stability (Allan Deviation $\sigma_y(\tau)$ ) Long Term Stability After 30 days of continuous operation	≤ ± 200 ppb  2x10 <sup>-10</sup> @ 1s  ≤± 2ppb per day (1 <sup>st</sup> year) ≤± 1ppb per day (2 <sup>nd</sup> year) ≤± 110 ppb per year (year 3 – )
<b>5</b>	<b>Phase Noise</b> @ 1 Hz @ 10 Hz @ 100 Hz @ 1 kHz @ 10 kHz	≤ -60 dBc ≤ -90 dBc ≤ -110 dBc ≤ -120 dBc ≤ -130 dBc
<b>6</b>	<b>Output</b> Type:	HCMOS, Load: nom. 15pF Optional: (Sine, Load: >0dBm /50 Ω)
<b>7</b>	<b>Reference Output</b>	4.5 V
<b>8</b>	<b>Control Input</b> Voltage Impedance Transfer Slope Tuning Range	0 – 4.5 V Centered @ +2.25 V 200 kΩ Positive Typical: ±2 ppm
<b>9</b>	<b>Package</b> Size (mm)	SMD 25.4x22.0x14mm

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