

**Features:**

- Stable frequency over temperature and drive level
- Low Profile Seam Weld Package
- Optional machine readable crystal temperature characteristics

**Description and Applications:**

Surface mount 3.2x5mm reference crystal for use in GSM handsets, 2-way radios, pagers, and other portable electronics requiring a stable frequency source.



**Electrical Specifications:**

ATXN6073A	Specification
Nominal Frequency	26.0 Mhz
Mode of Vibration	Fundamental
Storage Temperature Range	-40 C to 85 C
Frequency Stability over Temperature	± 11 PPM (-30 C to 85C)
Frequency perturbation	Max. <0.28PPM/degree C
Frequency Make Tolerance	± 10 PPM @25 C +/- 3 C
Resonance Resistance	35Ω Max.
Drive Level	300 μ W Max. 100 μ W Nominal
Load Capacitance	9.5 pf
Shunt Capacitance	4.0 pf Max.
Insulation Resistance	500 MΩ Min./DC 100V
Aging	+/-1PPM/Yr @25C; +/-5PPM Max over 10 Yr
Marking	Laser marking, print or machine readable

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Crystal

Post Environmental Performance:

<p><b>Mechanical Shock:</b> @ a half sine pulse shock of 0.3 milliseconds duration and a peak level of 8700 g's</p>	<p><math>\Delta F_s &lt; +/- 2.0 \text{ PPM}</math> <math>\Delta R_s &lt; +/- 3 \Omega \text{ or } 10\%</math></p>
<p><b>Vibration:</b> Per 2 x EIA RS-152-B</p>	<p><math>\Delta F_s &lt; +/- 2.0 \text{ PPM}</math> <math>\Delta R_s &lt; +/- 3 \Omega \text{ or } 10\%</math></p>
<p><b>Thermal Shock:</b> Air to air @ -40°C to 85°C, 30 min. at each temperature with less than 20 sec. transition time for 32 cycles. Allow crystals to stabilize a minimum of 4 hours prior to re-test.</p>	<p><math>\Delta F_s &lt; +/- 2.0 \text{ PPM}</math> <math>\Delta R_s &lt; +/- 3 \Omega \text{ or } 10\%</math></p>

Mechanical Dimensions (mm):

