

Features:

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

Description and Applications:

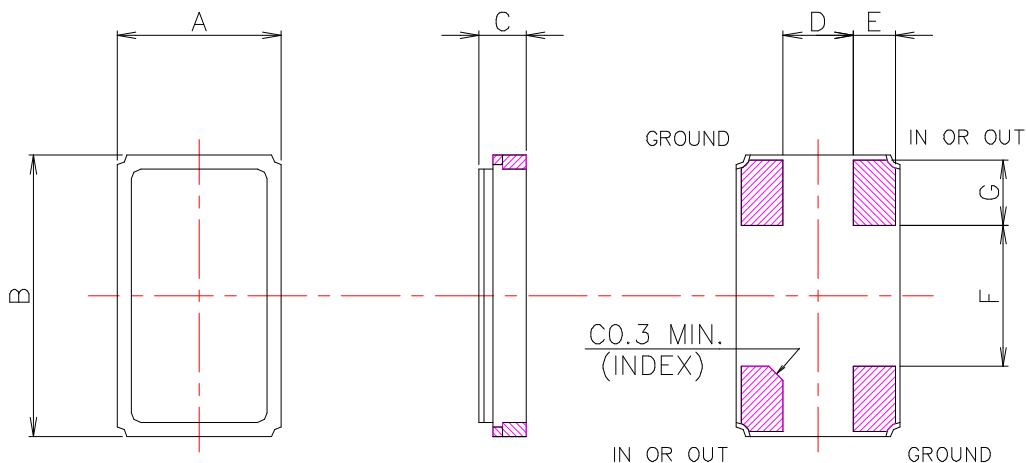
Surface mount 3.5x6mm reference crystal for use in GSM handsets, 2-way radios, pagers, and other portable electronics requiring a stable frequency source.

**Electrical Specifications:**

ATXN6040A	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	35 Ω Max.
Drive Level	100 μ W Max.
Load Capacitance	9.5 pf
Shunt Capacitance	4.0 pf Max.
Insulation Resistance	500 M Ω Min./DC 100V
Aging	+/-1PPM/Yr @25C
Marking	Laser marking, print or machine readable

Crystal
Post Environmental Performance:

Mechanical Shock: @ a half sine pulse shock of 0.3 milliseconds duration and a peak level of 8700 g's	$\Delta F_s < \pm 2.0 \text{ PPM}$ $\Delta R_s < \pm 3 \Omega \text{ or } 10\%$
Vibration: Per 2 x EIA RS-152-B	$\Delta F_s < \pm 2.0 \text{ PPM}$ $\Delta R_s < \pm 3 \Omega \text{ or } 10\%$
Thermal Shock: 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.	$\Delta F_s < \pm 2.0 \text{ PPM}$ $\Delta R_s < \pm 3 \Omega \text{ or } 10\%$

Mechanical Dimensions (mm):


ITEM UNIT	A	B	C	D	E	F	G
M/M	3.50 ± 0.13	6.00 ± 0.13	1.00 ± 0.16	1.50 ± 0.13	0.9 REF.	3.00 ± 0.13	1.4 REF.

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