

FEATURES

- * Compact and low profile
- * Seam-welded package
- * Tape & Reel (1,000 pcs.)

The ISX-3.2X2.5 is our smallest sub-miniature SMD crystal with 3.2 x 2.5 mm footprint. This package is ideal for today's compact wireless applications where board space is critical.



OPERATING CONDITIONS/ELECTRICAL CHARACTERISTICS

PARAMETERS	CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
FREQUENCY RANGE		16.000		60.000	MHz
CALIBRATION TOLERANCE	@ +25 °C			±50*	PPM
FREQUENCY STABILITY _{ref@25°C}	-10 ~+60°C			±50*	PPM
SHUNT CAPACITANCE				5	pF
LOAD CAPACITANCE	CL(Customer Specified)	12	16 standard	Series	pF
DRIVE LEVEL	DL			100	μW
OPERATING TEMPERATURE	TOPR**	-20		+70	°C
STORAGE TEMPERATURE	TSTG	-40		+85	°C
AGING CHARACTERISTICS (Per YEAR)	@ +25°C±3°C per year			±5	PPM

* Tighter specifications are available. **Extended temperature range available.

EQUIVALENT SERIES RESISTANCE / MODE OF OSCILLATION

FREQUENCY RANGE (MHz)	MODE	MAX ESRΩ	FREQUENCY RANGE (MHz)	MODE	MAX ESRΩ
16.000 ~ 29.999	Fundamental	100	30.000 ~ 60.000	Fundamental	60

PACKAGE DIMENSIONS (mm)

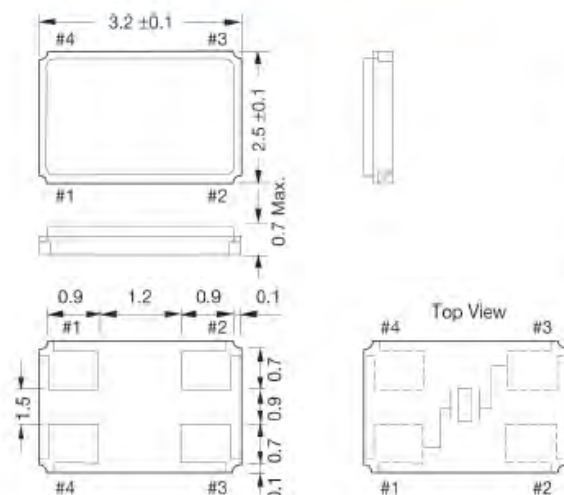


Figure 1) Top, Side, Bottom and End views

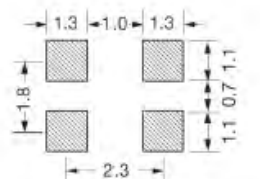


Figure 2) Land Pattern

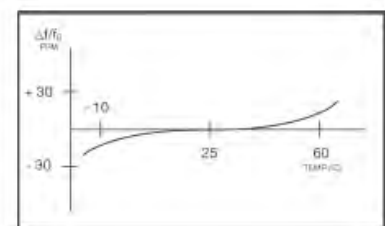


Figure 3) Frequency vs Temperature Curve