



REVISIONS			
LTR		DATE	APPROVED
A	INITIAL RELEASE	3/26/03	

SPECIFICATIONS:

NOMINAL FREQUENCY:	32.768 kHz
FREQUENCY TOLERANCE AT 25°C:	±20 PPM MAX
OPERATING TEMPERATURE RANGE:	-10°C TO +60°C
STORAGE TEMPERATURE RANGE:	-40°C TO +85°C
AGING:	±3 PPM PER YEAR MAX
LOAD CAPACITANCE:	8 pF
DRIVE LEVEL:	1.0 μW MAX
SHUNT CAPACITANCE:	1.7 pF MIN
EQUIVALENT SERIES RESISTANCE:	40 KOHMS MAX
TURNOVER TEMPERATURE:	25°C ±5°C
PARABOLIC CURVATURE CONSTANT:	-0.034 PPM/ΔC² TYP
MOTIONAL CAPACITANCE:	2.5 fF TYP
CAPACITANCE RATIO:	400 TYP
QUALITY FACTOR:	8000 TYP
INSULATION RESISTANCE:	500 MOhms MIN

RALTRON

10651 NW 19TH STREET
MIAMI, FL 33172

ALL DIMENSIONS ARE IN mm/inch
UNLESS OTHERWISE SPECIFIED

DRAWN BY: Part Generator

CHECKED BY:

APPROVED BY:

SCALE: SHEET 1 OF DATE:

CAGE CODE:

Ø VUE Ø

DRAWING TITLE:

TUNING FORK CRYSTAL UNIT

DRAWING NUMBER:

R145-32.768-8