



REVISIONS			
LTR		DATE	APPROVED
A	INITIAL RELEASE	5/2/03	

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:	12.5 pF
DRIVE LEVEL:	1.0 μW MAX
SHUNT CAPACITANCE:	1.6 pF MIN
EQUIVALENT SERIES RESISTANCE:	35 KOHMS MAX
TURNOVER TEMPERATURE:	25°C ±5°C
PARABOLIC CURVATURE CONSTANT:	-0.034 PPM/ΔC ² TYP
MOTIONAL CAPACITANCE:	3.5 fF TYP
CAPACITANCE RATIO:	460 TYP
QUALITY FACTOR:	9000 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:	DRAWING TITLE:	
	TUNING FORK CRYSTAL UNIT	
	DRAWING NUMBER:	
	R38-32.768-12.5	
CAGE CODE: Ø VUE Ø		