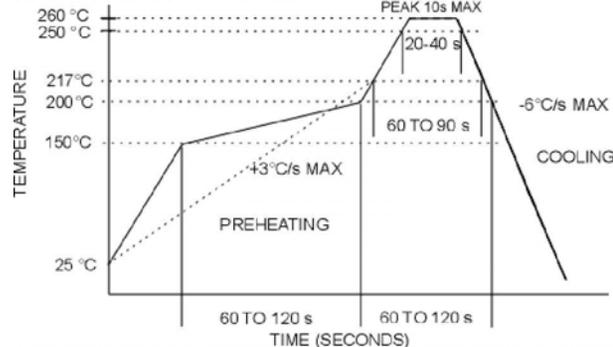


SOLDER REFLOW PROFILE



PIN CONNECTION	
1	INH
2	GROUND
3	OUTPUT
4	VDD

CAGE CODE:
Ø VUE Ø

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: **ROHS COMPLIANT/LEAD FREE**

SURFACE MOUNT CRYSTAL OSCILLATOR

DRAWING NUMBER: **CO4610-60.000-T-TR**

REVISIONS			
LTR		DATE	APPROVED
A	INITIAL RELEASE	12/7/09	

SPECIFICATIONS:

NOMINAL FREQUENCY: 60.000 MHz
 FREQUENCY STABILITY: ±100 PPM (NOTE 1)
 OPERATING TEMPERATURE RANGE: -10°C TO +70°C
 STORAGE TEMPERATURE RANGE: -55°C TO +125°C
 INPUT VOLTAGE: 3.3 VDC ±10%
 INPUT CURRENT: 45 mA MAX
 SYMMETRY: 45% TO 55 % @ 50% VDD (TIGHT)
 RISE AND FALL TIME: 2.5 ns MAX @ 20% VDD to 80% VDD
 LOAD: 15 pF CMOS OR 5 TTL MAX
 START-UP TIME: 15 ms MAX
 OUTPUT VOLTAGE: LOGIC "0" LEVEL = 0.33 VDC MAX
 LOGIC "1" LEVEL = 2.97 VDC MIN
 JITTER: 1 ps Max RMS (1-sigma), 12 kHz <Fj <20 MHz
 ENABLE/DISABLE: PIN1: OPEN OR HIGH (+2.2 VDC MIN); PIN3: ENABLED
 PIN1: LOW (+0.8 VDC MAX); PIN3: DISABLED(HIGH Z)

PACKAGING:

245mm REEL DIAMETER, 16mm TAPE WIDTH, 8mm PITCH, 1000 PIECES PER REEL

NOTE1: INCLUSIVE OF 25°C TOLERANCE, OPERATING TEMPERATURE RANGE, VOLTAGE OR LOAD CHANGES, AGING, SHOCK AND VIBRATION.