



PIN CONNECTION	
1	INH
2	GROUND
3	OUTPUT
4	VDD

ROHS COMPLIANT

CAGE CODE:

REVISIONS			
LTR		DATE	APPROVED
A	INITIAL RELEASE	9/29/04	

SPECIFICATIONS:

NOMINAL FREQUENCY: 98.304 MHz
 FREQUENCY STABILITY: ±50 PPM (NOTE 1)
 OPERATING TEMPERATURE RANGE: -10°C TO +70°C
 STORAGE TEMPERATURE RANGE: -55°C TO +125°C
 INPUT VOLTAGE: 1.8 VDC ±10%
 INPUT CURRENT: 35 mA MAX
 SYMMETRY: 40% TO 60 % @ 50% VDD
 RISE AND FALL TIME: 2 ns MAX @ 20% VDD to 80% VDD
 LOAD: 15 pF CMOS Max
 START-UP TIME: 10 ms MAX
 OUTPUT VOLTAGE: LOGIC "0" LEVEL = 0.18 VDC MAX
 LOGIC "1" LEVEL = 1.62 VDC MIN
 JITTER: 1 ps RMS (1 σ), 12 kHz < Fj < 20 MHz
 ENABLE/DISABLE: PIN1: OPEN OR HIGH (+1.62 VDC MIN); PIN3: ENABLED
 PIN1: LOW (+0.18 VDC MAX); PIN3: DISABLED(HIGH IMPEDANCE)

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.

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:

**SURFACE MOUNT CRYSTAL
 OSCILLATOR**

DRAWING NUMBER:

CO41805-98.304-TR