



PIN CONNECTION	
1	INH
2	GROUND
3	OUTPUT
4	VDD

ROHS COMPLIANT



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  
 1 ps RMS (1σ), 12 kHz < Fj < 20 MHz  
 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.

<b>RALTRON</b> 10651 NW 19TH STREET MIAMI, FL 33172		DRAWING TITLE:	
ALL DIMENSIONS ARE IN mm/inch UNLESS OTHERWISE SPECIFIED		<b>SURFACE MOUNT CRYSTAL          OSCILLATOR</b>	
DRAWN BY: Part Generator		DRAWING NUMBER:	
CHECKED BY:		<b>CO41805-98.304-TR</b>	
APPROVED BY:			
SCALE:	SHEET 1 OF		