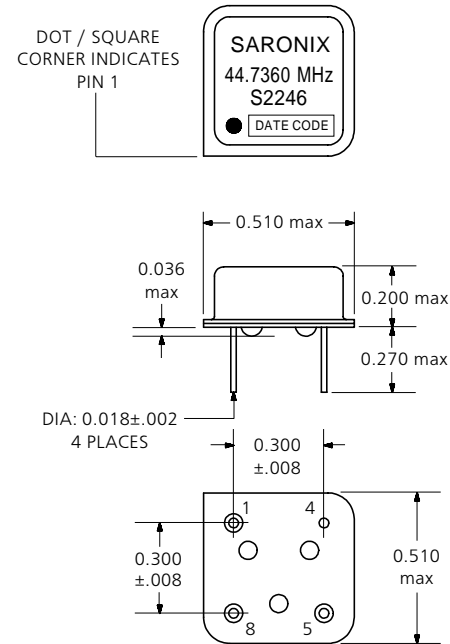


STANDARD MARKING FORMAT*

- 1) **MODEL IDENTIFICATION NUMBER:** S2246 CMOS CLOCK
- 2) **OPERATING TEMPERATURE RANGE:** -20°C to +85°C
- 3) **STORAGE TEMPERATURE RANGE:** -55°C to +125°C
- 4) **INPUT (SUPPLY) VOLTAGE:** +5 VDC ±10% recommended operating, +7 VDC absolute max
- 5) **INPUT (SUPPLY) CURRENT:** 35mA max
- 6) **OUTPUT CHARACTERISTICS** (ANY COMBINATION OF OPERATING (SUPPLY) VOLTAGE, OPERATING TEMPERATURE RANGE AND LOADING)
 - a) SYMMETRY: 40/60% max @ 0.5 VDD
 - b) RISE & FALL TIMES: 5 nsec max @ 20 % to 80% VDD
 - c) "0" LEVEL: 10% VDD max
 - d) "1" LEVEL: 90% VDD min
 - e) OUTPUT LOAD: 50 pF
- 7) **ENVIRONMENTAL:**
 - a) THERMAL SHOCK: MIL-STD-883, Method 1011, Condition A
 - b) MOISTURE RESISTANCE: MIL-STD-883, Method 1004
- 8) **MECHANICAL:**
 - a) DIMENSIONS: Per Figure 1
 - b) SHOCK: MIL-STD-883, Method 2002, Condition B
 - c) SOLDERABILITY: MIL-STD-883, Method 2003
 - d) TERMINAL STRENGTH: MIL-STD-883, Method 2004, Test Condition B2
 - e) VIBRATION: MIL-STD-883, Method 2007, Condition A
 - f) SOLVENT RESISTANCE: MIL-STD-202, Method 215
 - g) RESISTANCE TO SOLDERING HEAT: MIL-STD-202, Method 210, Condition A, B or C
- 9) **OPERATING FREQUENCY:** 44.7360 MHz
- 10) **FREQUENCY STABILITY** (OVER ALL COMBINATIONS OF OPERATING TEMPERATURE, RATED INPUT (SUPPLY) VOLTAGE CHANGES, LOAD CHANGES, CALIBRATION TOLERANCE, 30-DAY AGING, SHOCK AND VIBRATION): ±25 ppm



PIN CONNECTION	
1	N/C
4	GROUND
5	OUTPUT
8	+5 VDC

FIGURE 1 – PACKAGE DRAWING

*Exact location of items may vary

REMOVE ALL BURRS AND SHARP EDGES
 ALL DIAMETERS TO BE CONCENTRIC WITHIN .005 TIR
 TOLERANCES: XX--±.005 XX--±.005 XX--±.005 HOLE: ±.003
 DIMENSION IN: mm/inches
 ANGULAR: ±°

UNLESS OTHERWISE SPECIFIED

REVISIONS				ISSUED		DATE	Saronix 141 Jefferson Drive, Menlo Park California 94025, U.S.A.		
REV	DESCRIPTION	DATE	APPD	DRN	BOWIE	98/09/08	TITLE ELECTRICAL, ENVIRONMENTAL MECHANICAL SPECIFICATION S2246 – 44.7360 MHz		
IR	INITIAL RELEASE	98/09/14	J K	CHK	B. DRAKHLIS	98/09/08			
				ENG	C. TAYLOR	98/09/08	SIZE CAGE CODE DWG. NO. A 61441 S2246		
				MFG	G. SCHMIDT	98/09/10			
				QA	R. BUSH	98/09/09			
							SHEET 1 of 2		

10.1) FREQUENCY STABILITY AT THE TIME OF SHIPMENT: ± 22 ppm

11) DESIGN / MANUFACTURING DETAILS:

APPROVED MANUFACTURER	CIRCUIT / PART #
MENLO PARK / SKIL / KONY	CIRCUIT - 030

NOTE:

NO CHANGES SHALL BE MADE THAT AFFECT DESIGN, BILL OF MATERIALS, OR ASSEMBLY PROCESS, WITHOUT PRIOR AUTHORIZATION FROM SARONIX MENLO PARK. ANY REQUEST FOR CHANGE SHALL BE INITIATED BY COMPLETION OF FORM SAR-456 AT LEAST 90 DAYS PRIOR TO PRODUCT SHIPMENT AND MAY BE SUBJECT TO REQUALIFICATION (REFER TO QAP-81).

INTERNAL USE ONLY

SaRonix 141 Jefferson Drive, Menlo Park
California 94025, U.S.A.

SIZE A	CAGE CODE 61441	DWG. NO. S2246					
REV	IR	DATE	98/09/08	SHEET	2	of	2