

FEATURES	APPLICATIONS
<ul style="list-style-type: none"> - ±20ppm (Frequency Stability) Available - Standard Full-Size Package - CMOS/TTL Compatible - RoHS Compliant - Tape and Reel 	<ul style="list-style-type: none"> - PC - Monitor - Vision Equipment - Printer - FAX



PART NUMBERING GUIDE	
<p>SUNTSU OSC → SXO FS C 3 A 48 1 - 40.000M ← FREQUENCY (MHz)</p> <p>FULL SIZE →</p> <p>CMOS →</p> <p>SUPPLY VOLTAGE</p> <p>2: 2.5V±5%</p> <p>3: 3.3V±5%</p> <p>5: 5.0V±5%</p> <p>FREQUENCY STABILITY</p> <p>A: ±50ppm</p> <p>B: ±30ppm</p> <p>C: ±25ppm</p> <p>*D: ±20ppm</p>	<p>TRI-STATE (ENABLE/ DISABLE)</p> <p>BLANK: NO CONNECTION</p> <p>1: Pin 1</p> <p>OPERATING TEMPERATURE RANGE</p> <p>07: 0°C to + 70°C</p> <p>16: -10°C to + 60°C</p> <p>17: -10°C to + 70°C</p> <p>27: -20°C to + 70°C</p> <p>38: -30°C to + 85°C</p> <p>48: -40°C to + 85°C</p>

Cage Code: 4GUT4
 To customize your parameters contact a Suntsu representative.
 * For frequency stability option D contact a Suntsu representative

ELECTRICAL PARAMETERS	UNITS	MIN.	TYP.	MAX.	REMARKS
Frequency Range	MHz	0.0327		155.52	
Frequency Stability (Includes Initial Tolerance at 25°C, Frequency Stability over Operating Temperature, Output Load Change, Supply Voltage Change, and First Year Aging at 25°C.)	ppm	-20		+ 20	See part numbering guide for options.
Operating Temperature	°C	-40		+ 85	See part numbering guide for options.
Storage Temperature		-55		+ 125	
Supply Voltage (V _{DD})	2.5V Option	2.375	2.5	2.625	
	3.3V Option	3.135	3.3	3.465	
	5.0V Option	4.750	5.0	5.250	
Current (I _{DD})	2.5V Option			20	
	3.3V Option			30	
	5.0V Option			40	
Output Load	pF			15	CMOS Load.
	TTL			10	TTL Load.
Output Logic Levels	Output Logic High (V _{OH})	0.9* V _{DD}			CMOS Load.
	Output Logic Low (V _{OL})			0.1* V _{DD}	CMOS Load.
	Output Logic High (V _{OH})	2.4			TTL Load.
	Output Logic Low (V _{OL})			0.4	TTL Load.
Rise (T _R) and Fall (T _F) Time	ns			5	
Symmetry (Duty Cycle)	%	45	50	55	
Tri-State Input Voltage	Enable	0.7* V _{DD}			No Connection.
	Disable			0.3* V _{DD}	
Start-Up Time	ms			10	
Phase Jitter (12kHz ~ 20MHz)	ps			1	

OUTLINE DRAWING													
			<table border="1"> <thead> <tr> <th>PIN</th> <th>FUNCTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>TRI-STATE or NC</td> </tr> <tr> <td>7</td> <td>GND</td> </tr> <tr> <td>8</td> <td>OUTPUT</td> </tr> <tr> <td>14</td> <td>V_{DD}</td> </tr> </tbody> </table>	PIN	FUNCTION	1	TRI-STATE or NC	7	GND	8	OUTPUT	14	V _{DD}
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NOTE: Dimensions in millimeters (mm).

