RoHS Compliant Pb - Lead Free

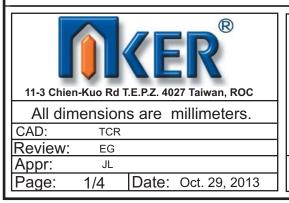
Ltr	Revisions	Date	Appr

Electrical Specifications:

Frequency Range		4.000 to 50.000			MHz
	±100			PPM Max	
Temperature Stability	±50				
	±25				
Aging per Year		±3			
Operating Temperature Range	Standard	-10 to +70			
Operating remperature realige	Extended	-40 to +85		°C	
Storage Temperature Range		-55 to +125			
Supply Voltage		+1.8 ± 5%	+2.5 ± 5%	+3.3 ± 10%	Vdd
	4.000 to 10.000 MHz	3	4	5	mA Max
Input Current	10.100 to 20.000 MHz	4	5	6	
input Current	20.100 to 32.000 MHz	5	6	7	
	32.100 to 50.000 MHz	6	7	8	
Output Voltage	Logic High (Voh)	90%		Vdd Min	
Output Voltage	Logic Low (Vol)	10%		Vdd Max	
Output Symmetry (Duty Cycle) Standard		40 to 60			%
Output Load			15		
Output Level		CMOS		-	
Phase Jitter (12 KHz to 20 MHz)		1			ps Max RMS
Rise and Fall Time		6			ns Max
Standby Function		Tri-State			-
Start Up Time		10			ms Max

Temperature stability is Inclusive of all conditions:

Calibration Tolerance at +25°C, frequency stability over the operating temperature range, supply voltage, supply voltage change, output load changes, shock, vilbration, and 1st year aging at +25°C.

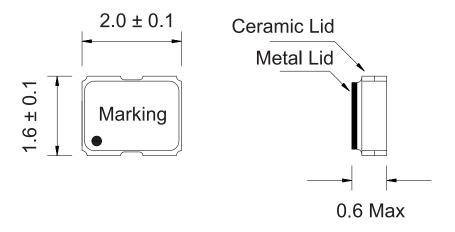


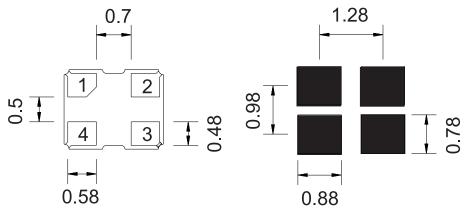
Specification Title:

Clock Oscillator Ultra Miniature 2.0 x 1.6 millimeter Surface Mount General Product Specification

Part Number: \$1 Series

Mechanical Outline:





Pin 1: Enable/Disable

Pin 2: Ground Pin 3: Output

Pin 4: Vdc

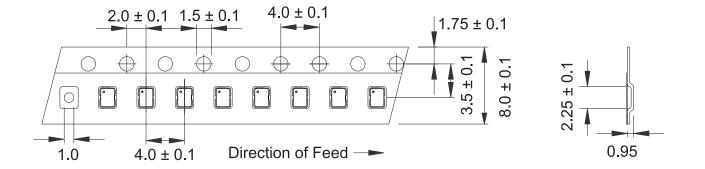
Recommended S	older Pattern
---------------	---------------

Pin1	Pin 3		
INH	Output		
High or Open	Operating		
Low	High Impedance		

Package is Seam Sealed Ceramic-Metal. Dimensions are millimeters.

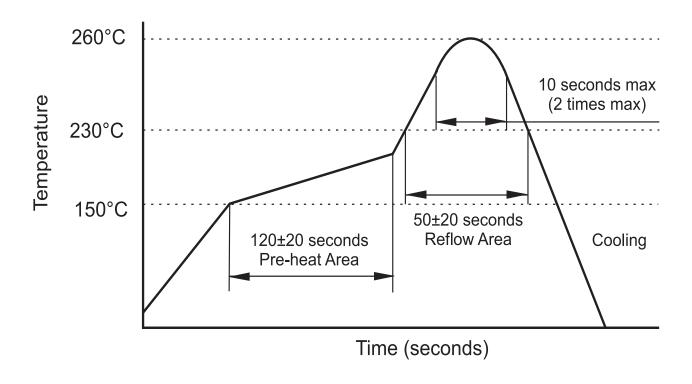
Page: 2/4 Date: Oct. 29, 2013 P/N: S1 Series	
---	--

Carrier Tape Dimensions:



Dimensions are millimeters.

Solder Reflow Characteristics:



Page: 3/4 Date: Oct. 29, 2013 P/N: **S1 Series**

How to build a Part Number:

Series	S	Parameter		
Package	1	2.0 x 1.6 mm		
· ·				
	33	+3.3 Vdd ± 10%		
Supply Voltage	25	+2.5 Vdd ± 5%		
	18	+1.8 Vdd ± 5%		
	10	±100 PPM		
Temperature Stability	05	±50 PPM		
	025	±25 PPM		
Duty Cycle	See Notes	40 to 60%		
	-			
Frequency	4.000 to 50.000	MHz		
-				
Tomporatura Panas	See Notes	-10 to +70 °C		
Temperature Range	Х	-40 to +85 °C		
-				
Packaging	R	Tape and Reel		

Part Number Example:

S12505-18.432-X-R

S1: 2.0 x 1.6 mm SMD Package

25: +2.5 Vdd Supply Voltage

05: ±50 PPM Temperature Stability

18.432 MHz Nominal Frequency

X: -40 to + 85° C Extended Temperature Range

R: Tape and Reel Packaging

Notes:

- 1- Standard Duty Cycle and Temperature Range do not need to be included in Part Number description.
- 2- Product is shipped in Tape and Reel configuration. Each reel contains 1000 pieces.
- 3- Specification subject to change without notice.

Page:	4/4	Date: Oct. 29, 2013	P/N:	S1 Series	