RoHS Compliant Pb - Lead Free

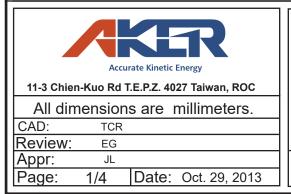
Ltr	Revisions	Date	Appr

Electrical Specifications:

Frequency Range		2.000 to 50.000			MHz	
		±100				
Temperature Stability	±50			PPM Max		
	±25					
Aging per Year		±3				
Operating Temperature Range	Standard	-10 to +70				
Operating reinperature Kange	Extended	-40 to +85		۰C		
Storage Temperature Range		-55 to +125				
Supply Voltage		+1.8 ± 5%	+2.5 ± 5%	+3.3 ± 10%	Vdd	
	2.000 to 9.999 MHz	3	4	5	mA Max	
Input Current	10.000 to 19.999 MHz	4	5	6		
input Current	20.000 to 31.999 MHz	5	6	7		
	32.000 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 Symmetry (Duty Cycle)	Optional	45 to 55		/0		
Output Load		15			pF	
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.

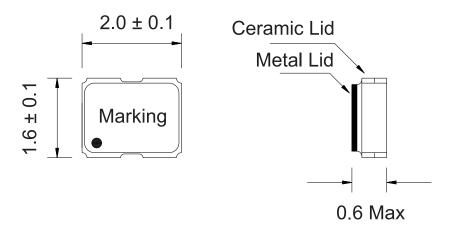


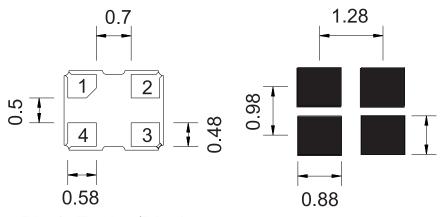
Specification Title:

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

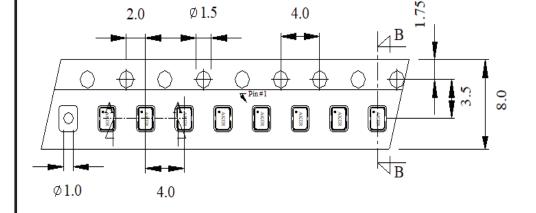
Pin 2: Ground Pin 3: Output Pin 4: Vdc Recommended Solder Pattern

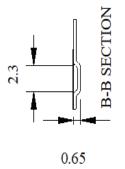
Pin1	Pin 3		
INH	Output		
High or Open	Operating		
Low	High Impedance		

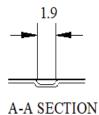
Package is Seam Sealed Ceramic-Metal. Dimensions are millimeters.

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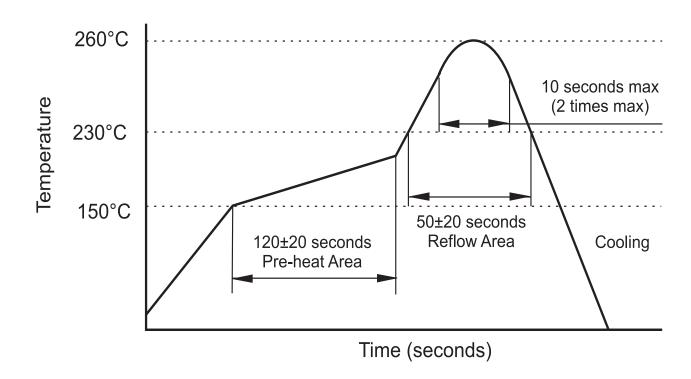
Carrier Tape Dimensions:







Solder Reflow Characteristics:



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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%				
Duty Cycle	T	45 to 55%				
	-					
Frequency	2.000 to 50.000	MHz				
	-					
Townserstown Donne	See Notes	-10 to +70 °C				
Temperature Range	X	-40 to +85 °C				
-						
	M	250pcs Reel				
Packaging	R	1000pcs Reel				
	R3	3000pcs Reel				

Part Number Example:

S12505T-18.432-X-R

S1: 2.0 x 1.6 mm SMD Package 25: +2.5 Vdd Supply Voltage

05: ±50 PPM Temperature Stability

T: Tight symmetry

18.432 MHz Nominal Frequency

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

R: 1000pcs Tape and Reel

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.
- 3- Specification subject to change without notice.

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