RoHS Compliant Pb - Lead Free	Ltr	Revisions		Appr
FD - Leau Flee				

Electrical Specifications:

Frequency Range		4	.000 to 50.00	0	MHz
	±100				
Temperature Stability	±50			PPM Max	
	±25				
Aging per Year		±3			
Operating Temperature Range	Standard	-10 to +70		°C	
Operating remperature Range	Extended	-40 to +85			
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 Valtage	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			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.

11-3 Chien-Kuo Rd T.E.P.Z. 4027 Taiwan, ROC All dimensions are millimeters. CAD: TCR Review: EG	Specification Title: Clock Oscillator Ultra Miniature 2.0 x 1.6 millimeter Surface Mount General Product Specification
Appr: JL Page: 1/4 Date: Oct. 29, 2013	Part Number: 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			
	-				
Temperature Range	See Notes	-10 to +70 °C			
	X	-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	