RoHS Compliant
Pb - Lead Free

Ltr	Revisions	Date	Appr

Electrical Specifications:

Frequency Range			13.500 ~ 200.00	0	MHz
Frequency Stability			±25 ~ ±100		ppm
Aging per Year			±3		ppm Max.
Operating Temperature Range	Standard		-20 ~ +70		
	Extended		-40 ~ +85		°C
Storage Temperature Range			-55 ~ +125		
Supply Voltage		1.8 ± 5%	2.5 ± 5%	3.3 ± 5%	VDD
Input Current	13.500 to 99.999MHz	50	50	50	mA Max.
Input Current	100.000 to 200.000MHz	50	50	50	ma max.
Output Vallage	Logic High (Voh)	1.60	1.60	1.60	VDD Max.
Output Voltage	Logic Low (Vol)	0.90	0.90	0.90	VDD Min.
Differential Output Voltage (Vo)		247 ~ 454		mV
Offset Voltage (Vos)			1.125 ~ 1.375		V
Output Symmetry (Duty Cycle)			45 ~ 55		%
Output Type			LVDS		
Output Load (Between Q and Q	QN)		100		ohm
Rise and Fall Time	13.500 to 99.999MHz	1.0	1.0	1.0	
Rise and Fall Time	100.000 to 200.000MHz	0.5	0.5	0.5	ns Max.
Enable-Disable Function			Tri-State		
Input Enable Voltage		1.26	1.75	2.31	VDD Min.
Input Disable Voltage		0.54	0.75	0.99	VDD Max.
Phase Jitter (12 KHz to 20 MHz	2		1	•	ps Max. RMS

Temperature stability is Inclusive of all conditions:

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

	Accur	rate Kinet	
No.11-3	Jianguo Ro	I., Tanzi	Dist., 42760 Taiwan
	All dimens	ions ar	e millimeters.
CAD:	TCR		
Review:	EG		
Appr:	JL		
Page:	1/4	Date:	January 10,2022

Specification Title:

•	3.2 x 2.5	scillator Complimentary Output millimeter Surface Mount Product Specification	
	Part Number:	S3A LVDS Series	

Mechanical Outline and Solder Pad Layout: <TOP> <SIDE> 3.2 ± 0.15 Ceramic Base Metal Lid #6 #5 #4 2.5 ± 0.15 AKER

<BOTTOM>

#2

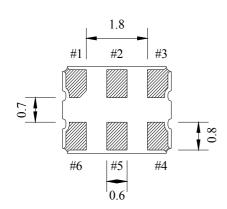
#3

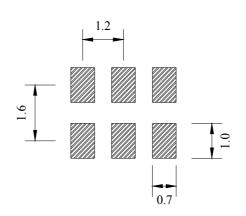
#1



1.1 Max.

<SUGGESTED LAYOUT>





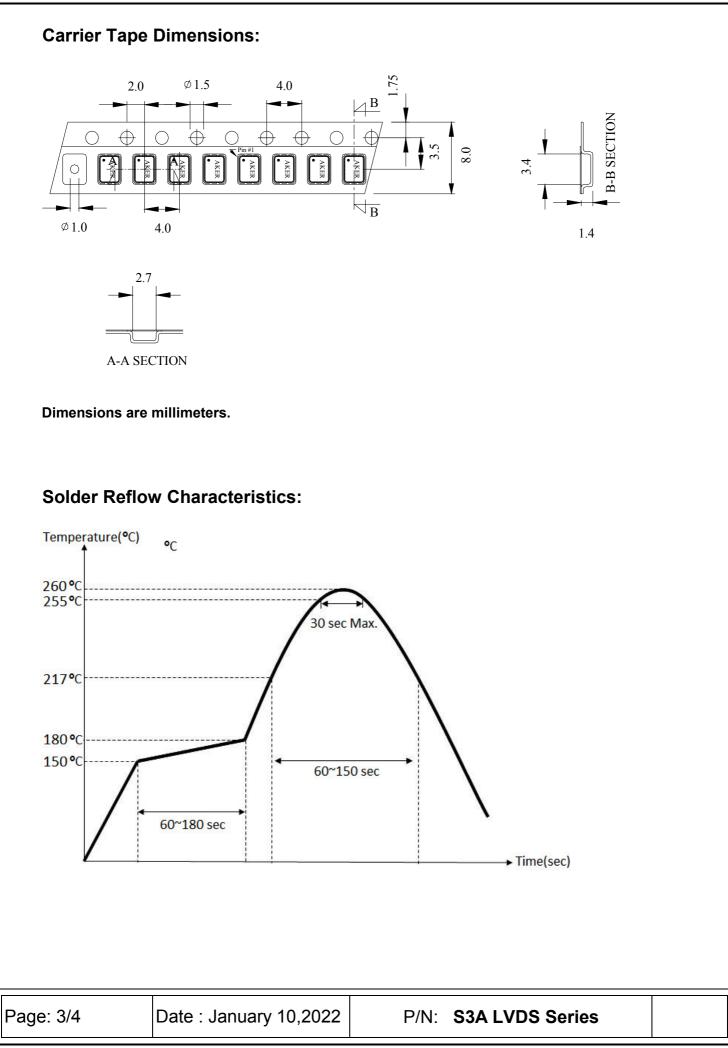
Pin Connection		
PIN No.	Connection	
#1	Enable/Disable	
#2	NC	
#3	GND	
#4	Output - Q	
#5	Output - QN	
#6	VDD	

Enable/Disa	ble Function
PIN #1	PIN #4 & #5
HIGH or OPEN	Operating
LOW	High Impedance

Package is Seam Sealed Ceramic-Metal. Terminator Pads are Ni/Au. Dimensions are millimeters.

Date : January 10,2022

P/N: S3A LVDS Series



Series	S	Parameter
Package	3A	3.2 x 2.5 mm - 6 Pad
	33	+3.3 VDD ± 5%
Supply Voltage	25	+2.5 VDD ± 5%
	18	+1.8 VDD ± 5%
	10	±100 ppm
emperature Stability	05	±50 ppm
	025	±25 ppm
	-	
Frequency	13.500~200.000	MHz
	-	
Output Load	L	LVDS
	-	
Comporaturo Pango	See Notes	-20 ~ +70 °C
Temperature Range-	Х	-40 ~ +85 °C
	-	
Packaging	М	250pcs Reel
Packaging	R	1000pcs Reel

Part Number Example:

S3A3305-156.250-L-X-R

S3A: 3.2 x 2.5 mm SMD Package - 6 Pad

33: +3.3±5% VDD Supply Voltage

05: ±50 ppm Temperature Stability

156.250 MHz Nominal Frequency

L: LVDS Output

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

R: Tape and Reel Packaging - 1000pcs 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- Quantities less than 250pcs are shipped in tape only.

4- Specification subject to change without notice.