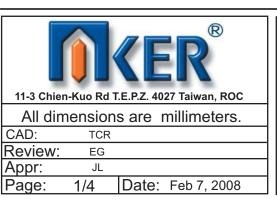
US Compliant	Ltr	R	evisions			Date	
HS Compliant							
- Lead Free						1 1	
						+	
<b>Electrical Specif</b>	ications:						
Frequency Range			0.5	00 to 156	.000	MHz	
			±100				
			±50				
Temperature Stability			±30			PPM Max	
			±25				
			±20				
Aging per Year				±3			
Operating Temperatur	e Range	Standard		-10 to +7	0		
		Extended			<b>°C</b>		
Storage Temperature	Range			-55 to +12			
Supply Voltage		1			3.3 ±10%	Vdd	
		0.500 to 9.999 MHz	5	6	7	mA Max	
		10.000 to 19.999 MHz	5	8	7		
		20.100 to 31.999 MHz	-	8	12		
Input Current		32.000 to 49.999 MHz		20	20		
		50.000 to 79.999 MHz		20	25		
		80.000 to 99.999 MHz		25	30		
		100.000 to 156.000 MHz	25	30	40		
Output Voltage		Logic High (Voh)		% (80% at	-		
		Logic Low (Vol)	10	% (20% at	-	Vdd Max	
Output Symmetry (Dut	ty Cycle)	Standard		40 to 60		Vdd Min Vdd Max %	
		Tight					
Output Load		0.500 to 31.999 MHz	5	15 5	10	pF Max	
		32.000 to 49.999 MHz		5 5	10	ns Max	
Rise and Fall Time		50.000 to 79.999 MHz	-	5 4	8		
		80.000 to 99.999 MHz	-	3	о 5		
		100.000 to 156.000 MHz		3	4		
Phase Jitter (12 KHz to	o 20 MHz)			1	*	1 ps Max RMS	
Enable-Disable Function			Tri-State		-		
Output Disable Time		300 150		ns Max			
Output Enable Time		10 10		ms Max			
Start Up Time				10		ms Max	

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.



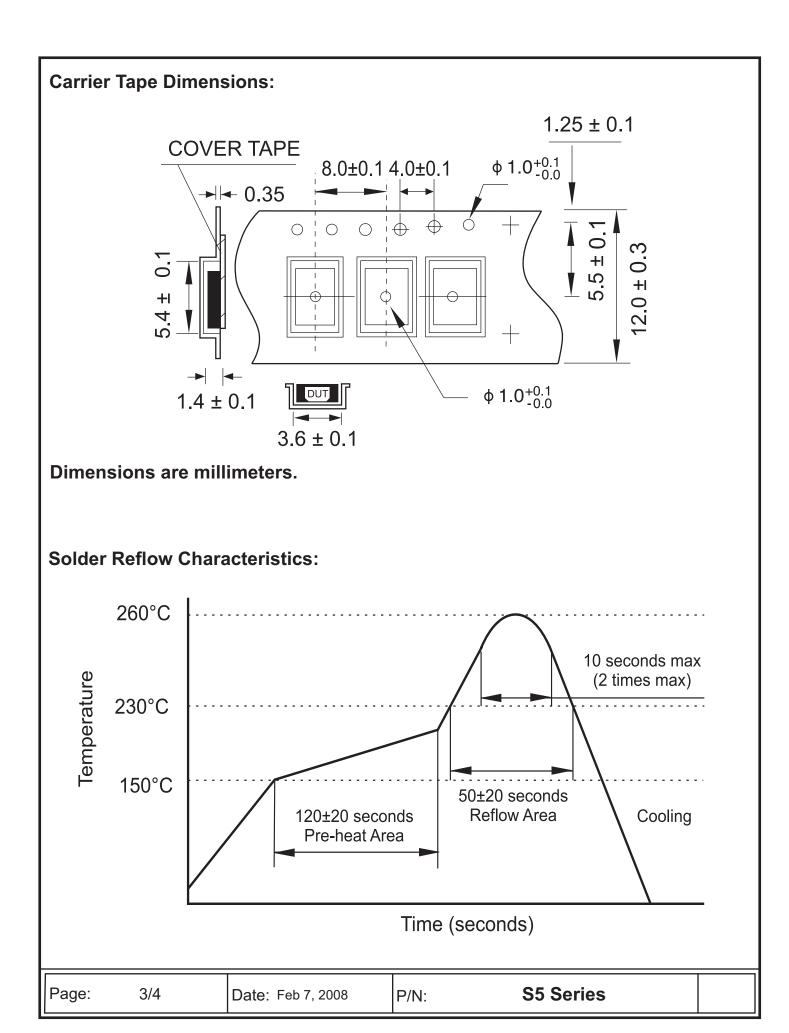
Specification Title:

**Clock Oscillator** Low Profile 5 x 3.2 millimeter Surface Mount **General Product Specification** 

Part Number:

**S5 Series** 

Mechanical Outline	:				
XAX L	MAX	METAL CAP CERAMIC BA 1.30MAX	<u>NSE</u>		
1.20(Ref.)	<u>⊨</u>	() () () () () () () () () () () () () (	2.20		
#1 : E/D #2 #4 : VDC #3 Bottom	: OUTPUT	Recommended Land Patte	rn		
Pin1Pin 3INHOutputHigh or OpenOperatingLowHigh Impedance					
Page: 2/4	Date: Feb 7, 2008	P/N: S5 Series			



## How to build a Part Number:

Series	S	Parameter	
Package	5	3.2 x 5.0 mm	
	50	+5.0 Vdd ± 10%	
Supply Voltage	33	+3.3 Vdd ± 5%	
Supply Voltage	25	+2.5 Vdd ± 5%	
	18	+1.8 Vdd ± 5%	
	10	±100 PPM	
	05	±50 PPM	
Temperature Stability	03	±30 PPM	
	025	±25 PPM	
	02	±20 PPM	
		-	
Duty Ovala	See Notes	40 / 60 %	
Duty Cycle	Т	45 / 55 %	
	-		
Frequency	0.500 to 156.000	MHz	
<b>_</b>	-		
Tama anatuma Damas	See Notes	-10 to +70 °C	
Temperature Range	Х	-40 to +85 °C	
	-		
Packaging	R	Tape and Reel	

Part Number Example: S53310-155.520-X-R

S5: 3.2 x 5.0 mm SMD Package

 $33: +3.3 \pm 5\%$  Vdd Supply Voltage

10: ±100 PPM Temperature Stability

155.520 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- Quantities less than 1000 are shipped bulk in ESD pouches.

4- Specification subject to change without notice.

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