RoHS Compliant Pb - Lead Free

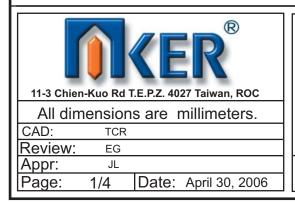
Ltr	Revisions	Date	Appr

Electrical Specifications:

Frequency Range			1.000 to 155.520			MHz	
	±100						
Temperature Stability	±50						
Temperature Otability		±30			PPM Max		
		±20					
Aging per Year		±5					
Operating Temperature Range Standard Extended		-10 to +70					
		-40 to +85				°C	
Storage Temperature Range			-55 to	+125			
Supply Voltage		1.8 ± 5%	2.5 ± 5%	2.8 ± 5%	3.3 ± 10%	Vdd	
	1.000 to 32.000 MHz	7	10	12	15	mA Max	
	32.100 to 50.000 MHz	15	12	20	20		
Input Current	50.100 to 67.000 MHz	-	-	40	25		
	67.100 to 80.000 MHz	-	-	40	25		
	80.100 to 155.520 MHz	-	-	-	40		
Output Voltage	Logic High (Voh)	90% (80% at 1.8)			Vdd Min		
Output Voltage	Logic Low (Vol)	10% (20% at 1.8)			Vdd Max		
Output Symmetry (Duty Cycle)	Standard	40 to 60			%		
Cutput Cymmetry (Buty Cycle)	Tight	45 to 55					
Output Current	Lol/Loh	2	4	4	2	mA Min	
Output Load		15			pF Max		
	1.000 to 32.000 MHz	5	5	5	7	-	
	32.100 to 50.000 MHz	3.5	5	5	7		
Rise and Fall Time	50.100 to 67.000 MHz	-	-	5	7	ns Max	
	67.100 to 80.000 MHz	-	-	5	7		
	80.100 to 155.520 MHz	-	-	-	7		
Standby Current			10			uA Max	
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				

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.

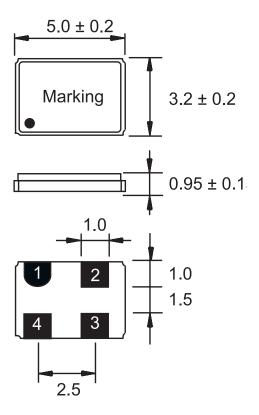


Specification Title:

Clock Oscillator Low Profile 3.2 x 5.0 millimeter Surface Mount General Product Specification

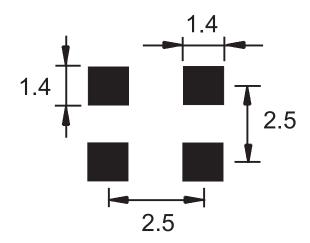
Part Number: **\$5 Series**

Mechanical Outline:



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

PCB Solder Pad Layout:



Pad Connection:



Top View

1: E/D

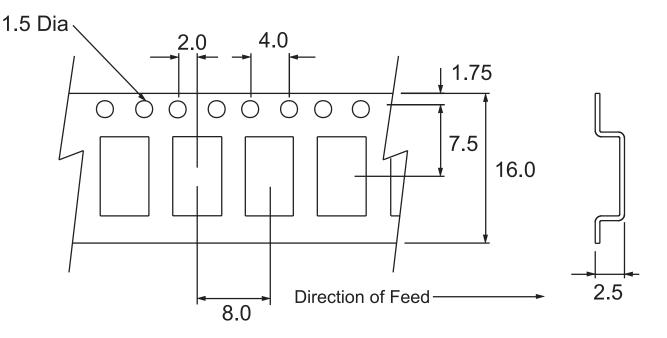
2: Gnd

3: Output

4: Vin

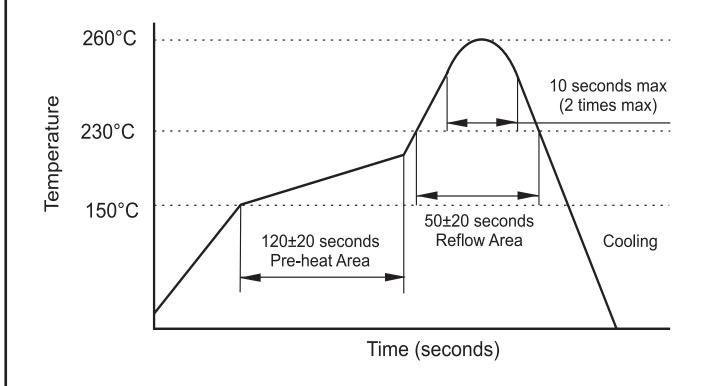
Page: 2/4 Date: April 30, 2006 P/N: **\$5 Series**

Carrier Tape Dimensions:



Dimensions are millimeters.

Solder Reflow Characteristics:



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How to build a Part Number:

Series	Series S					
Package	5	3.2 x 5.0 mm				
	33	+3.3 Vdd ± 5%				
Supply Voltage	28	+2.8 Vdd ± 5%				
Supply Voltage	25	+2.5 Vdd ± 5%				
	18	+1.8 Vdd ± 5%				
	10	±100 PPM				
Tomporatura Stability	05	±50 PPM				
Temperature Stability	03	±30 PPM				
	02	±20 PPM				
Destru Carala	See Notes	±10%				
Duty Cycle	Т	±5%				
	-					
Frequency	1.000 to 155.520	MHz				
-						
Tamparatura Banasa	See Notes	-10 to +70 °C				
Temperature Range	X	-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 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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