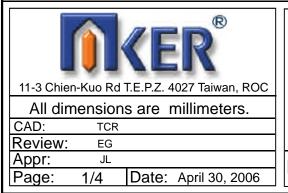
RoHS Compliant Pb - Lead Free

Ltr	Revisions	Date	Appr

Electrical Specifications:

Frequency Range	1.000 to 52.000		MHz	
	±100		PPM Max	
Frequency Stability over Temperature	±50			
	±25			
Aging per Year		±3		
Operating Temperature Range	Standard	0 to 70		
	Extended	-40 to	+85	°C
Storage Temperature Range	=	-55 to 125		7
Supply Voltage		3.3 ± 10%	5.0 ± 10%	Vdd
Input Current		50.0	60.0	mA Max
Francisco Deviation avan Control Valtage	2.5 ± 2.0 Vdc	150 1:100		DDM M:-
Frequency Deviation over Control Voltage	1.65 ± 1.65 Vdc	Vdc ±50 and ±100	a ±100	PPM Min
Outrout Valtage	Voh	90%		Vdd Min
Output Voltage	Vol	10%		Vdd Max
Custom at Custom at ma	Standard	40 to 60		- %
Output Symmetry —	Tight	45 to 55		
Output Load		10 TTL or 15		pF
Linearity - Positive Slope	10		%	
Rise and Fall Time	5		ns Max	
Start-up Time	10		ms Max	
Jitter	1.	0	ps RMS	

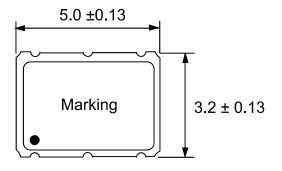


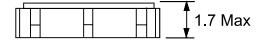
Specification Title:

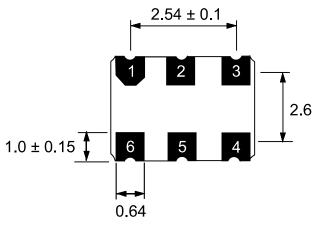
Voltage Controlled Clock Oscillator Low Profile 3.2 x 5.0 millimeter Surface Mount General Product Specification

Part Number: V5F Series

Mechanical Outline:





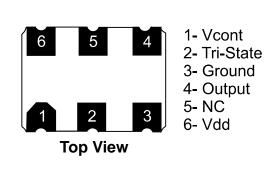


Package is Seam Sealed Ceramic-Metal. Dimensions are millimeters.

PCB Solder Pad Layout:

1.27 1.0 1.3 2.0

Pad Connection:



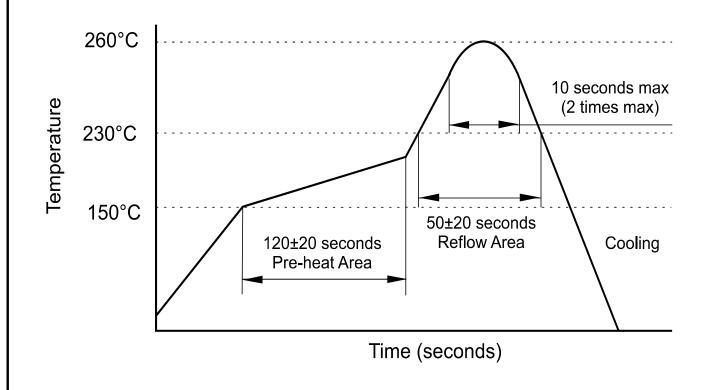
Page: 2/4 Date: April 30, 2006 P/N: **V5S Series**

Carrier Tape Dimensions: 1.5 Dia 2.0 4.0 7.5 16.0 Direction of Feed 2.0

8.0

Dimensions are millimeters.

Solder Reflow Characteristics:



Page: 3/4 Date: April 30, 2006 P/N: **V5S Series**

How to build a Part Number:

Series	V	Parameter
Package	5S	3.2 x 5.0 mm SMD
	•	
Supply Voltage	5	+5.0 Vdc ± 10%
Supply Voltage	33	+3.3 Vdc ± 10%
	10	±100 PPM Max
Frequency Stability	05	±50 PPM Max
	025	±25 PPM Max
Tamparatura Banga	See Notes	0 to +70 °C
Temperature Range	D3	-40 to +85 °C
Pulling Range	100	±100 PPM Max
Fulling Kange	50	±50 PPM Max
Output Symmetry	See Notes	40 to 60
Output Symmetry	T	45 to 55
	-	-
Output Load	Н	HCMOS-TTL Compatible
	-	-
Frequency 1.000 to 52.000		MHz
	-	-
Packaging	=	Bulk
Fackaging	R	Tape and Reel

Part Number Example:

V5S-3305D3100T-H-32.768-R

V5S: 3.2 x 5.0 mm SMD Package

33: +3.3 Vdd Supply Voltage

05: ±50 PPM Temperature Stability

D3: -40 to + 85° C Extended Temperature Range

100: ±100 PPM Pulling Range

T: 45/55 Tight Symmetry

H: HCMOS Output

32.768 MHz Nominal Frequency

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.

Page: 4/4 Date: April 30, 2006 P/N: V5S Series	Page: 4/4 Date: Ap	ril 30, 2006 P/N: V \$	S Series
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