



**anderson**  
**electronics, llc**  
 A Lokos Electronics Company



721 Scotch Valley Road  
 Hollidaysburg, PA 16648



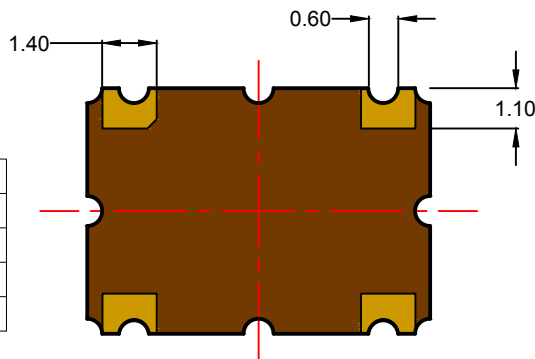
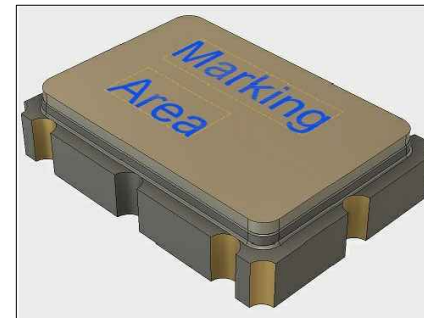
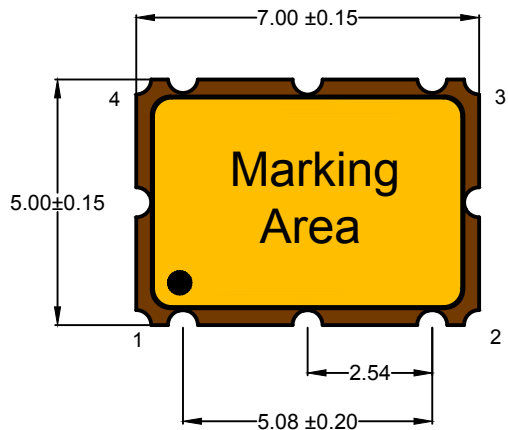
Phone: (814) 695-4428  
 Fax: (814) 696-0403  
 E-mail: sales@aextal.com

## Electrical Specifications

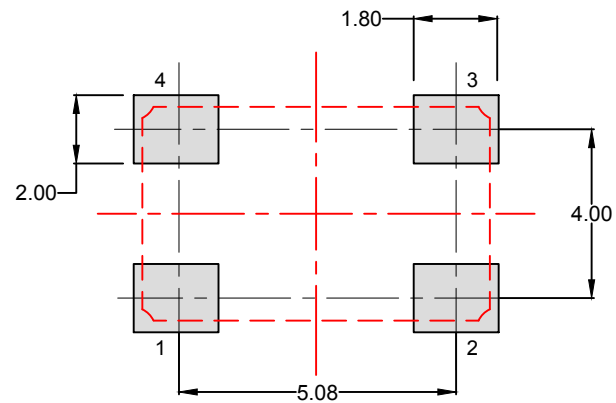
### 1.500 MHz to 120.000 MHz 5 x 7 Surface Mount Ceramic Clock Oscillator

Parameters	Conditions	Minimum	Nominal	Maximum	Units
Center Frequency (fo)		1.500		120.000	MHz
Frequency Stability	Standard	±20		±100	ppm
Best Frequency Stability	-10°C to +70°C	-20		-20	ppm
	-40°C to +85°C	-20		+20	
	-10°C to +70°C	-100		+100	
	-40°C to +85°C	-100		+100	
Rise Times (RT) & Fall Times (FT)			5.0	10.0	nSec
Duty Cycle (@1.4V)		40	50	60	% (Percent)
Output Waveform (Symmetrical squarewave)	HCMOS/TTL				
Load				10 / 15	TTL/pf
Supply Voltage (Vcc)		4.50	5.00	5.50	Volts
Operating Temperature Range		-40		+85	°C/Degrees
Storage Temperature Range		-55		+125	
Start-Up Time				10	mS
Low Level Output Voltage (Level 0:)	HCMOS			0.1	Vdd
High Level Output Voltage (Level 1:)	HCMOS	0.9			
Low Level Output Voltage (Level 0:)	TTL			0.5	V
High Level Output Voltage (Level 1:)	TTL	2.4			
Input Current	1.500 MHz to 23.999 MHz			20	mA
	24.00 MHz to 49.999 MHz			40	
	50.000 MHz to 69.999 MHz			50	
	70.000 MHz to 120.000 MHz			60	
<b>Note: A +3.3V ±10% supply voltage is available</b>					

Title: 1.500 MHz to 120.000 MHz 5x7 SMD			Revision Record				Tolerances (inches): XX: ±0.020,XXX: ±0.008
			Date:	Level	Description:	ECN:	
Drawing No.: AE803 SMD Ceramic Oscillator							Author: <i>D. Gibney</i>
Date: 1/06/2017	Scale: 1:1	Rev: A					Authorized By: <i>C. Sakol</i>
Page: 1 of 2	Cage: 3BPV9	Size: A					



PIN	CONNECTION
1	No Connect
4	Ground/Case
5	Output
8	Supply



Dimensions in Units: mm

Recommended Land Pattern



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Tolerances (inches):  
XX=±.020, XXX=±.008  
Tolerances (millimeters):  
XX=±0.50, XXX=±0.10

**Title:** 1.500 MHz to 120.000 MHz 5 x 7 SMD

**Drawing No.:** AE803 SMD Ceramic Oscillator

**Date:** 1/06/2017

**Scale:** N.T.S.

**Rev:** 0

**Page:** 2 of 2

**Cage:** 3BPV9

**Size:** A

**Revision Record**

Date	Level	Description	ECN



Author:  
*D. Gibney*  
Authorized By:  
*Chris Sakel*