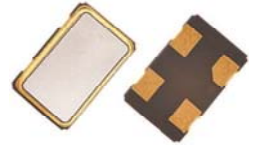




**anderson
electronics, llc**
A Lokos Electronics Company



AE 807 Series Ceramic Surface Mount Device Crystal Oscillator

Features:

Frequency Range: 32.768 KHz to 150.000 MHz
Seam Weld Package, Compact and Thin
Exhibits excellent technical performance in the aspects of frequency stability, aging, precision and reliability.

Applications:

AE807 ceramic miniature crystal is in communication equipment such as pagers, cellular telephones, computers, modems and Industrial wide temperature applications.

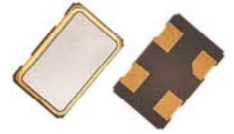
AE Series Pin #1		Output		Calibration Tolerance		Temperature Range		Stability Tolerance		Supply Voltage		Frequency			
Code	Value	Code	Value	Code	Value	Code	Value	Code	Value	Code	Value	Code	Value		
807N	No Connect	H	HCMOS/ LVCMOS/ TTL	1	± 10ppm	5525	-55 to +125	6	±100ppm	5R0	+5.0 V	K	KHz		
				2	± 20ppm			5	± 50ppm					3R3	+3.3 V
				B	± 25ppm			3	± 30ppm					3R0	+3.0 V
807T	Tri-State	A	ACMOS	3	± 30ppm	3060	-30 to +60	B	± 25ppm	2R5	+2.5 V	M	MHz		
				5	± 50ppm			2	± 20ppm					1R8	+1.8 V
				6	± 100ppm			1	± 10ppm					1R5	+1.5 V
				C	Custom			C	Custom						

Part Number Ordering Guide (Example: A807T-H-5-2070-5-3R3-25M000)

Standard Parameters	Minimum	Typical	Maximum	Units	Conditions
Storage Temperature	-55		+125	°C	
Input Current		25.0	60.0	mA	
Rise/Fall Times		6.0	10.0	nS	
Duty Cycle	45	50	55	%	@50% Vdd Level
Low Level Output Voltage (VoL)			10	%Vcc	
High Level Output Voltage (VoH)	90			%Vcc	
Enable Tristate Function (ViH)	80			%Vcc	The Output is Enabled if the Enable/Disable is left open.
Disable Tristate Function (ViL)			20	%Vcc	
Output Load			15.0	pF	
Start-Up Time			10.0	mS	
Aging	-5.0		+5.0	ppm/year	@ 25°C
Phase Jitter, RMS			1.0	pS	12 KHz to 20 MHz

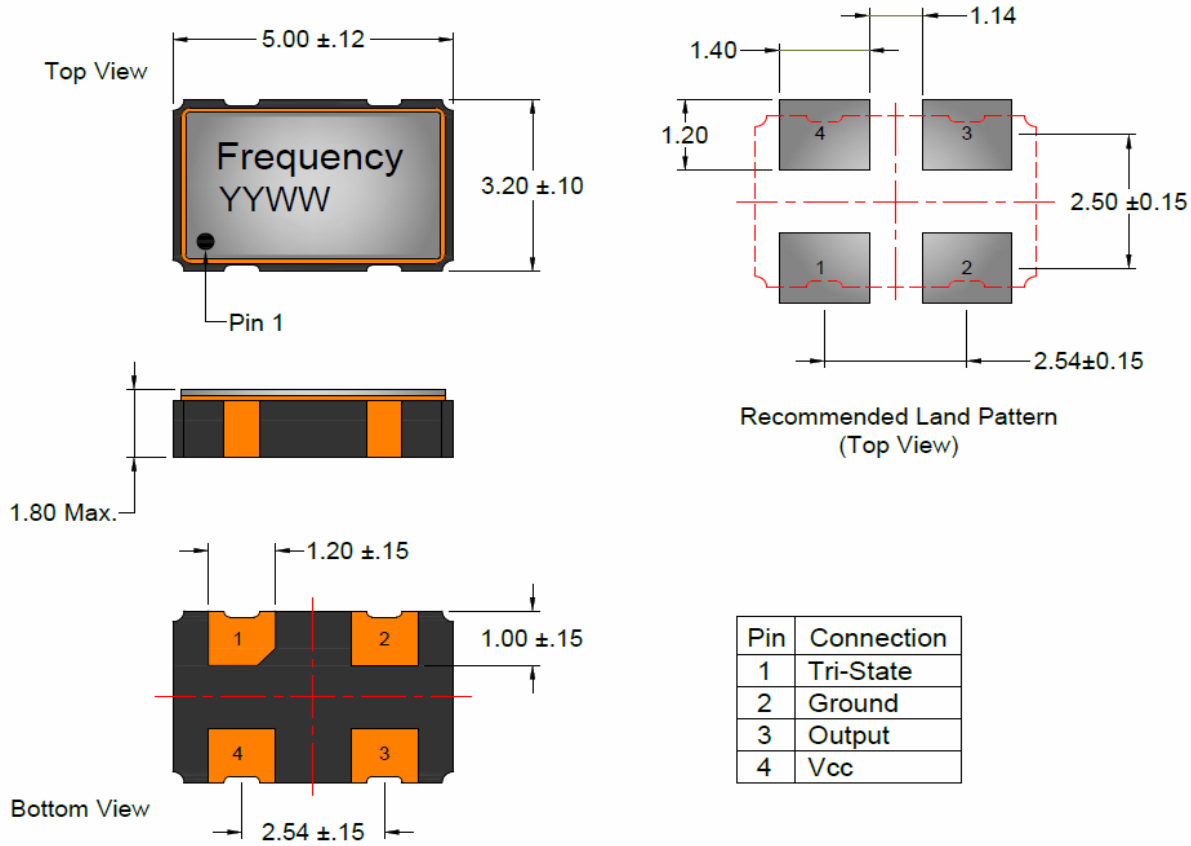
Environmental Specifications

Mechanical Shock	MIL-STD-202, Method 213, Condition J
Vibration	MIL-STD-883, Method 2007, Condition A
Humidity	MIL-STD-202, Method 103, Condition B
Gross Leak	MIL-STD-883, Method 1014, Condition C
Temperature Cycling	MIL-STD-883, Method 1010, Condition B
Moisture Sensitivity Level	J-STD-020, MSL1



AE 807 Series Ceramic Surface Mount Device Crystal Oscillator

**Mechanical Package Drawing: All Dimension are in millimeters (mm):
Terminal Plating Thickness: Gold (0.3 to 1.0um) over Nickel (1.27 to 8.89um)**



Tape and Reel Specifications:

Solder Reflow Profile:

