



anderson electronics, llc

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AE 210 Series Surface Mount Temperature Compensated Crystal Oscillator

AE210 Series has a Frequency Range of 9.60 MHz to 45.00 MHz						
AE210 is a miniature package with excellent stability tolerance and aging.						
Part Numbering Definition Guide: 210-22-5-2070-3R3-16M384000						
Product Example	210	22	5	2070	3R3	16M384000
Package	210					
Waveform		23				CMOS/TTL
		22				CMOS/Clipped Sinewave
Frequency Stability (Over Temperature Range)			1			+1.0 ppm
			2			+2.5 ppm
			3			+3.0 ppm
			5			+5.0 ppm
Operating Temperature				4085		-40 to +85°C
				3075		-30 to +75°C
				2070		-20 to +70°C
				1060		-10 to +60°C
Supply Voltage (±5%)					3R3	+3.3 V
					5R0	+5.0 V
Frequency Stability vs. Supply Voltage						±0.3 ppm ±5% Vcc
Frequency Deviation						±8.0 ppm to ±15.0 ppm
Voltage Control	+2.5Vdc ±2.0V (5R0)					+1.65Vdc ±1.5V (3R3)
Storage Temperature						-55°C to +125°C
Input Current						2mA maximum (Based on Supply Voltage)
Load	Clipped -10K Ohms//10pf					CMOS -2 TTL/15pf
Aging						±1.0ppm per year maximum
Frequency Adjustment						±3.0 ppm minimum



FEATURES:

Ultra Miniature Package, Specially manufactured to insure tight tolerances for frequency stability and long term aging.

Industry standard footprint layout

Operable Temperature Range - -40°C to +85°C

ROHS Compliant/Pb-Free

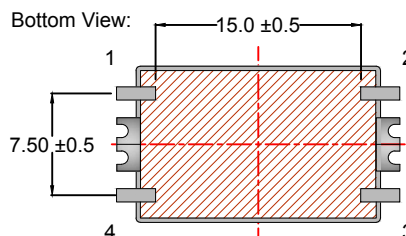
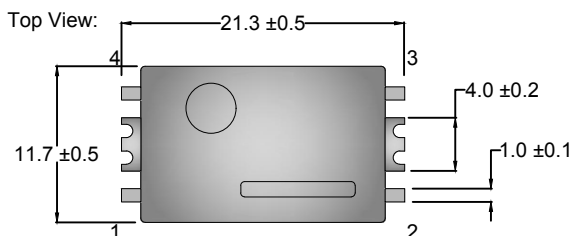
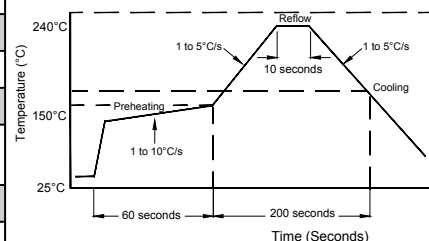
APPLICATIONS:

The 4 pin AE 210 surface mount package can be used for test and measurement equipment.

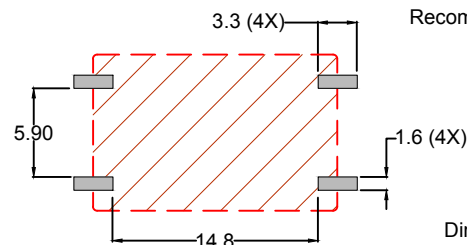
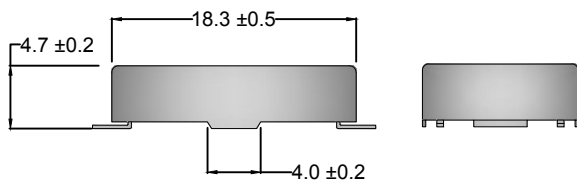
Wireless Communications

Broadband Access

REFLOW SOLDERING PROFILE



Pin	Function
1	No Connect
2	Ground/Case
3	Output
4	Supply Voltage



Dimensions in Units: mm