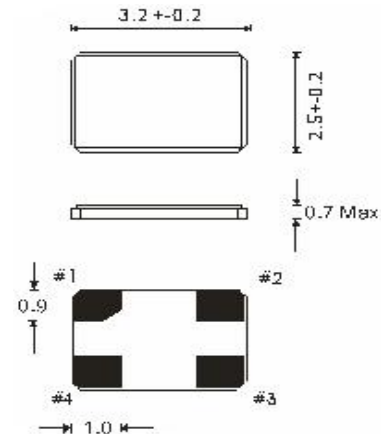




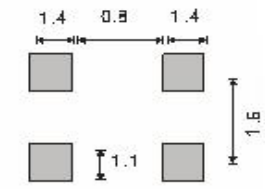
Description	Min	Typ	Max	Unit
Frequency Range	2		48	MHz
Overall Stability (+/-)	20		100	ppm
Supply Voltage (+/-10%)	1.8		5	V
Operating Temperature Range	0~70		-40~+85	Deg C
Capacitive Load on Output		15	50	pF
TTL Load on Output	1		10	TTL
Supply Current:				
5V 2.0-48MHz			30	mA
3.3V 2.0-48MHz			30	mA
Output Voltage :				
High (5Vdd)	4.5			V
High (3.3Vdd)	2.97			V
Low (5Vdd)			0.5	V
Low (3.3Vdd)			0.33	V
Symmetry	40:60	45:55	48:52	%
Jitter		1		pS
Rise/Fall time (frequency dependant)			10	nS
Start up Time			10	mS

AEL Crystals Ltd. Reserve the right to amend specifications without notification. Please ensure you have the latest issue
 *please contact our Sales Office for further options

TITLE	AEL 30-series oscillator
Part Number	Contact Sales Office
Stock Number	Contact Sales Office
Issue Date	17/07/2007
Issue Number	5



Recommended Solder Pad Layout



Pin Assignments

- Pin 1 Tri-State (301-)
- Pin 2 Ground
- Pin 3 Output
- Pin 4 +V DC

Tri-State Voltages

- N.C Output Active
- >2.2V Output Active
- <0.8V Output Disabled

(Pin 1 has internal pull up resistor to allow it to float High)

Options and How to Specify

Pin 1: AEL30
 Supply voltage: 1=E/D, 0=5V, 3=3.3, 2=2.5V, 1=1.8V
 Stability* (+/-ppm): C=100, B=50, A=25
 Temperature range: S=0~+70, I=-40~+85C
 e.g. AEL3010AI 30MHz = E/D, 5V, +/-25ppm, -40~+85C, 30MHz



Module "D", Airtech II
 Jenner Road, Manor Royal
 Crawley RH10 9GA