



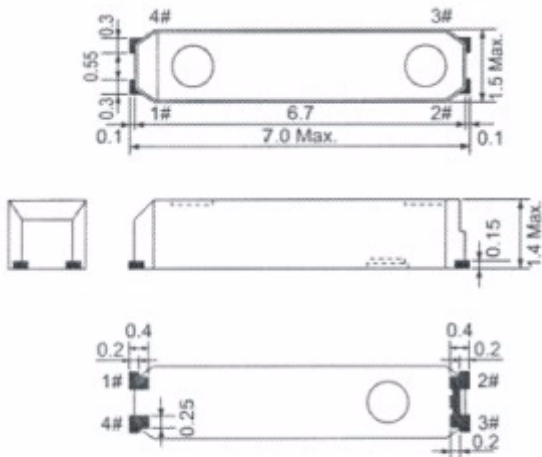
**SPECIFICATION
CONTROL DRAWING
Crystal Resonator**

FREQUENCY
32.768000kHz

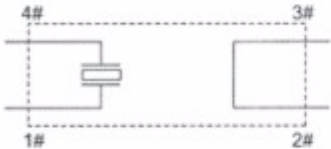
DIMENSIONS

(For details, please refer to individual specification)

UNIT: mm



INTERNAL LEAD CONNECTION



RECOMMENDED SOLDERING PATTERN

UNIT: mm



* Do not connect #2 and #3 to external device.

Holder Style	7x1,5 SMD
Mode	Fundamental
Adjustment Tolerance	± 20PPM at 25°C
Temperature Stability	± -.034 PPM
Operating Temp. Range	-40°C to +85°C
Load Capacitance	12.5 pF
ESR	50K Ohm Typ, 60K Ohm Max Ohm
Drive Level	1.0uW Max mW
Static Capacitance (C0)	1.2 Typ pF
Dynamic Capacitance (C1)	0.0023pF Typ. fF
C0/C1 Ratio	520 Typ
Q Factor	40K Min, 60K Max
Ageing	+/- 3ppm /Yr Max
Marking	Mark Std

Amdt Date	Change Note	AEL Code	
27 AUG 09	Additional Detail added	X32K768S019	
		Issue Ref	B