

CRYSTAL OSCILLATORS PROGRAMMABLE



SMPN-321 SERIES

CERAMIC PACKAGE

Applications

Features

Actual Size:

- Seam Seal
- Excellent Solderability
- Tri-State
- Low Power Consumption
- RoHS Compliant

Specification

MODEL

FREQUENCY RANGE	MHz	1.000 ~ 110.000	1.000 ~ 166.000	1.000 ~ 200.000
FREQUENCY STABILITY*	ppm	± 25 ~ ± 100		
OPERATING TEMPERATURE	°C	- 20 ~ + 70 , - 40 ~ + 85		
STORAGE TEMPERATURE	°C	- 55 ~ + 125		
POWER SUPPLY VOLTAGE	VDC	+1.8 ± 5%	+2.5 ± 5%	+3.3 ± 10%
OUTPUT LEVEL		CMOS		
OUTPUT SYMMETRY	%	45 ~ 55 (at 50% VDC)		
INPUT CURRENT				
1.000 ~ 9.999MHz	mA (Max.)	8		
10.000 ~ 19.999MHz		10		
20.000 ~ 31.999MHz		12		
32.000 ~ 49.999MHz		15		
50.000 ~ 79.999MHz		20		
80.000 ~ 99.999MHz		25		
100.000 ~ 200.000MHz		30		
RISE / FALL TIME				
1.000 ~ 31.999MHz	ns (Max.)	6		
32.000 ~ 200.000MHz		5		
OUTPUT LOAD		15 pF Max.		
AGING	ppm/Year	± 3		

*Inclusive of 25°C±3°C & Operating Temperature Range.

*Specification subject to change without notice.

Pin Connection

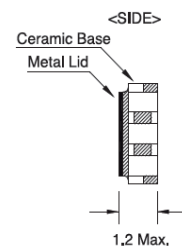
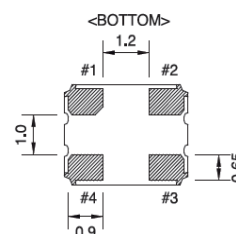
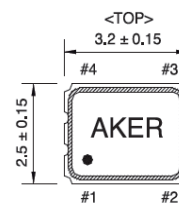
PIN No.	Connection
#1	Enable/Disable
#2	GND
#3	Output
#4	VDC

Enable/Disable Function

Pin #1	Pin #3
HIGH(OPEN)	Output
LOW	High Impedance

Dimension(mm)

SMPN-321



<SUGGESTED LAYOUT>

