

SMD OSCILLATOR

Features

- Typical 5.0x3.2x1.3 mm ceramic SMD package.
- Tight symmetry (45 to 55%) available.
- Operation voltage : 1.8V, 2.5V, 2.8V, 3.3V, 5.0V.



Specifications

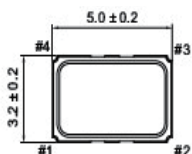
Parameter	Min.				Max.				Unit
	5.0	3.3	2.5	1.8	5.0	3.3	2.5	1.8	
Supply Voltage Variation(VDD)10%	5.0	3.3	2.5	1.8	5.0	3.3	2.5	1.8	V
	4.5	2.97	2.25	1.71	5.5	3.63	2.75	1.89	V
Frequency Range	1.000000				99.99	167	167	165	MHz
Operating Temp. Range	-40 ~ 85								°C
Frequency Stability*	25								ppm
Supply Current									mA
1.0MHz ≤ Fo < 20MHz	-				20	10	10	10	
20MHz ≤ Fo < 50MHz	-				40	30	20	15	
50MHz ≤ Fo < 80MHz	-				50	40	30	20	
80MHz ≤ Fo < 125MHz	-				70	50	40	30	
125MHz ≤ Fo < 167MHz	-				-	60	50	40	
Output Level (CMOS)									V
Output High (Logic "1")	90% VDD				10% VDD				
Output Low (Logic "0")									
Transition Time : Rise/Fall Time									nSec
1.0MHz ≤ Fo < 20MHz	-				6	6	6	10	
20MHz ≤ Fo < 50MHz	-				5	6	6	6	
50MHz ≤ Fo < 80MHz	-				4	5	5	5	
80MHz ≤ Fo < 125MHz	-				4	4	4	4	
125MHz ≤ Fo < 167MHz	-				-	3	3	3	
Start up Time	-				10				mSec
Tri-State	Input Logic"1" or Floating : output active Input Logic"0" : output disables to high-z								
Phase Jitter									pS
Standby Current	-				10				μA
Storage Temp. Range	-55				125				°C

*inclusive of calibration @ 25°C, operating temperature range, input voltage variation, load variation, aging, shock, and vibration.

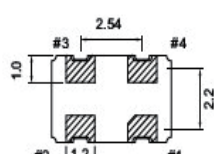
+Transition times are measured between 10% and 90% of VDD, with an output load of 15pF.

DIMENSION (Unit: mm)

[TOP VIEW]



[BOTTOM VIEW]



[SIDE VIEW]



Pad	Function
#1	Tri-State
#2	GND
#3	Output
#4	VDD

SOLDER PAD LAYOUT(mm)

