

AVO Series (Fixed Models)

SMD Voltage Controlled Clock Oscillators

Kosho Inc.
A Morion Company

Parameters	Conditions	Specifications	
Type		AVO (VCXO oscillator, 7050 size, 6 pads)	
Power Supply Voltage	Vdc	+3.3V ±10%	
Frequency Range		8.000 MHz to 49.000 MHz	50.000 MHz to 74.000 MHz
Frequency Stability	All Conditions	±20ppm to ±50ppm	
Operating Temperature		-20 ⁰ to +70 ⁰ C -40 ⁰ to +85 ⁰ C	
Frequency Deviation		Vc = +1.65V ±1.35V ± 100ppm min.	Vc = +1.65V ±1.35V ± 90ppm min.
Freq' Control Linearity		±10% max.	
Storage Temperature		-40 ⁰ to +85 ⁰ deg. C	
Output Duty		CMOS	
Output Symmetry	@50% Vdc	45 / 55 % @ +25 ⁰ C, +3.3Vdc, Vc= +1.65V	
Freq' Stability / Supply V		± 3ppm max / 3.3 V ±5%	
Output Level		VOH : 3.0V min. / VOL : 0.3V max.	
Rise Time / Fall Time		5.0nS max (0.3~3.0V & 3.0~0.3V)	

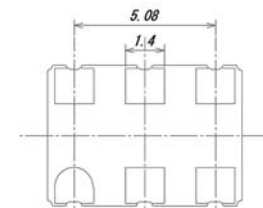
Ordering Guide

AVO-33 1 **C** **M** 6 - 50.000 MHz

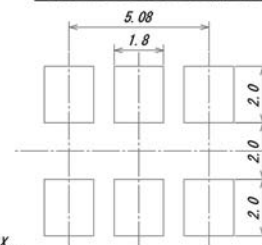
Sign	Stability
E	±20ppm
D	±25ppm
C	±30ppm
B	±50ppm
A	N/A
Z	Other

Frequency
8~74 MHz

Dimensions



Recommended Soldering Pattern



Pad Connection A

Pin	Terminal
#1	Vc (Control V)
#2	Tristate
#3	GND
#4	Output
#5	N.C.
#6	VDD

Pad Connection B

Pin	Terminal
#1	Vc (Control V)
#2	N.C.
#3	GND
#4	Output
#5	Tristate
#6	VDD

Sign	Temp' Range
S	0~ +70 ⁰ C
P	-10~ +70 ⁰ C
M	-20~ +70 ⁰ C
F	-40~ +85 ⁰ C
X	Other

