

actual size

# Oscillator- HO750(5.0V)

SMD Oscillator with Tristate Function · 7.5 x 5.0 mm

- reflow soldering temperature: 260 °C max.
- ceramic/metal package



## General Data

type	HO750 5.0V	
frequency range	1.8 ~ 80.0 MHz (15pF/30pF/50pF opt.)	
	80.0 ~ 107.0 MHz (15pF) on request	
frequency stability over all*	± 20ppm ~ ± 100ppm (table 1)	
current consumption	see table 2	
supply voltage V <sub>DC</sub>	5.0 V ± 10%	
temperature	operating	-10 °C ~ +70 °C / -40 °C ~ +85 °C
	storage	-55 °C ~ +125 °C
output	rise & fall time	see table 3
	load max.	15pF / 30pF / 50pF
	current max.	16mA
	low level max.	0.1 x V <sub>DC</sub>
	high level min.	0.9 x V <sub>DC</sub>
output enable time max.	100ns	
output disable time max.	100ns	
start-up time max.	10ms	
standby function	tristate	
phase jitter 12 kHz ~ 20.0 MHz	< 1.0ps RMS	
symmetry at 0.5 x V <sub>DC</sub>	45% ~ 55% typ. (40% ~ 60% max.)	

Table 1: Frequency Stability Code

stability code	A	B	G	C	D
	± 100 ppm	± 50 ppm	± 30 ppm	± 25 ppm	± 20 ppm
-10 °C ~ +70 °C		●	○	○	△
-40 °C ~ +85 °C	○	●	○	△	

● standard ○ available △ excludes shock and vibration

\* includes stability at 25 °C, operating temp. range, supply voltage change, shock and vibration, aging 1st year.

Table 2: Current Consumption max.

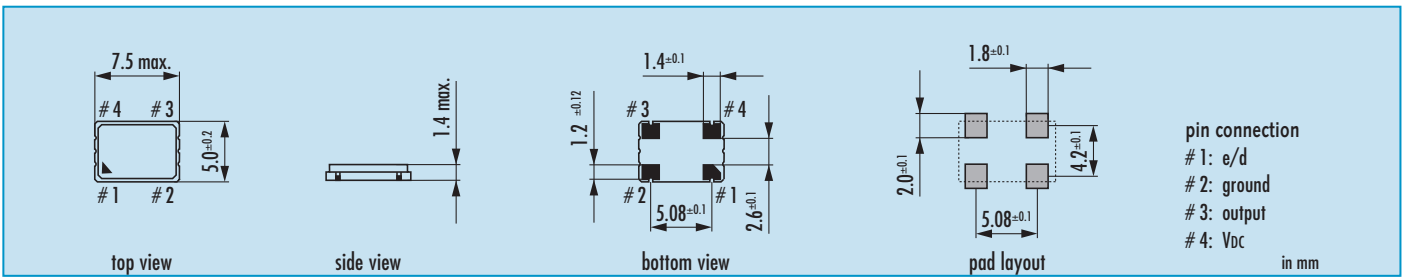
Current at 15pF load		Current at 30pF load		Current at 50pF load	
1.8 ~ 19.9 MHz	12 mA	1.8 ~ 19.9 MHz	15 mA	1.8 ~ 19.9 MHz	20 mA
20.0 ~ 39.9 MHz	20 mA	20.0 ~ 39.9 MHz	28 mA	20.0 ~ 39.9 MHz	35 mA
40.0 ~ 59.9 MHz	30 mA	40.0 ~ 59.9 MHz	35 mA	40.0 ~ 59.9 MHz	40 mA
60.0 ~ 79.9 MHz	45 mA	60.0 ~ 80.0 MHz	52 mA	60.0 ~ 80.0 MHz	60 mA
80.0 ~ 107.0 MHz	60 mA				

Table 3: Rise & Fall Time max.

6.0 ns:	1.8 ~ 9.9 MHz	<b>note:</b> - specific data on request - rise time: 0.1 V <sub>DC</sub> ~ 0.9 V <sub>DC</sub> - fall time: 0.9 V <sub>DC</sub> ~ 0.1 V <sub>DC</sub>
5.0 ns:	10.0 ~ 39.9 MHz	
4.0 ns:	40.0 ~ 69.9 MHz	
3.0 ns:	70.0 ~ 107.0 MHz	

note: Suffix "X" includes 10 years aging, for A, B, G available.

## Dimensions



## Taping Specification

