

MCO-7025H-HP

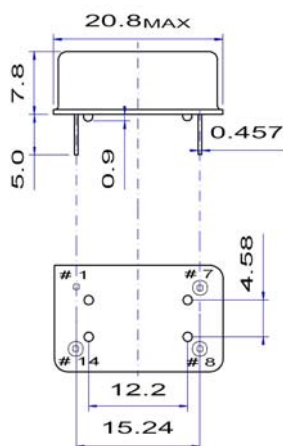
High precision thru-hole Clock Oscillator
HCMOS / TTL



Features

- High precision Clock Oscillator
- Output signal HCMOS / TTL compatible
- Output frequency up to 200 MHz
- Low jitter < 1 ps

Parameter	Specification	
	MCO-7025H3HP	MCO-7025H5HP
Frequency range	0.25 ~ 200 MHz	0.25 ~ 160 MHz
Supply voltage	+3.3 V \pm 5 %	+5.0 V \pm 5 %
Supply current	5 ~ 50 mA	5 ~ 40 mA
Frequency stability (*)	\pm 5 ppm \pm 10 ppm \pm 20 ppm \pm 25 ppm	0 ~ +50 °C -10 ~ +60 °C -20 ~ +70 °C -40 ~ +85 °C
Output signal	HCMOS / TTL compatible	
Output level	$V_{OH} \geq 0.9 V_{dc}$ $V_{OL} \leq 0.1 V_{dc}$	$V_{OH} \geq 0.9 V_{dc}$ $V_{OL} \leq 0.1 V_{dc}$
Output load	15 pF / 10 TTL	15 ~ 50 pF / 10 TTL
Symmetry	45 ~ 55 %	@ 1/2 Vdc
Jitter (rms)	< 1 ps @ 12 kHz ~ 20 MHz from carrier frequency	
Rise / fall time	3 ~ 8 ns	
Tri-state function	pin #1 = high or open pin #1 = low	pin #8 \rightarrow signal pin #8 \rightarrow high impedance
Operating temperature range	-20 ~ +70 °C -40 ~ +85 °C	standard application industrial application
Storage temperature range	-55 ~ +125 °C	
Packaging units	tube	40 pieces
(*) All inclusive: frequency stability vs. temperature, tolerance, aging, supply & load variation, on request		
Customer specifications on request		



Pin function

- # 1 E/D
- # 7 GND
- # 8 Output
- # 14 Vdc



Do not design any conductive path between the Pattern

Environmental & Mechanical specification

Shock	MIL-STD-883C, Method 2002, Con B
Vibration	MIL-STD-883C, Method 2007, Con A
Solder ability	MIL-STD-883C, Method 2003
Seal integrity	MIL-STD-883C, Method 2014, Con C&A2
Moister sensitivity level:	1

2002/95/EC RoHS compliant

19 Apr. 10