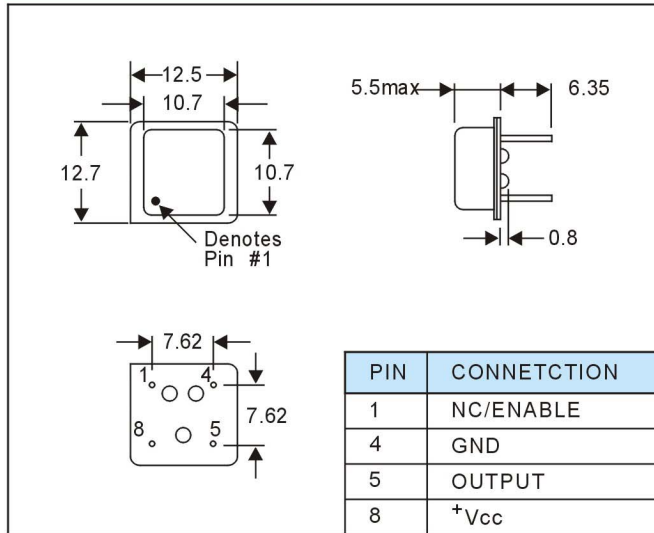


Series Clock Oscillator-Half



External dimensions

Unit: mm

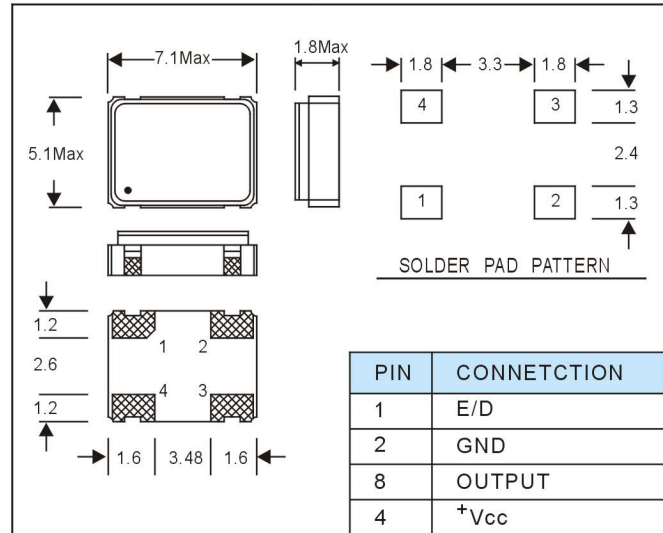


Series SMD Oscillator



External dimensions

Unit: mm



Item	Specification	Remarks
Series	COH146T5 COH146C5 COH146C3	NC/Enable Function
Nominal Frequency Range	1.000MHz to 150.000MHz	
Frequency Stability ²	±50PPM or ±100PPM	
Operating Temperature Range	0°C to +70°C (Standard)	(Optional)-40°C to +85°C
Storage Temperature Range	-55°C to +125°C	
Input	Voltage: V _{DD}	+5VDC ± 10% +5VDC ± 10% + 3.3VDC ± 10%
	Current: I _{DD}	1.000MHz to 3.000MHz, ≤ 20mA
		3.001MHz to 32.000MHz, ≤ 35mA ≥ 32.000MHz, ≤ 45mA
Output Symmetry	46-60% @ 1.4V _{DC} 46-60% @ 0.5VDC	(Optional) 45-55%
Rise Time	≤ 8ns	
Full Time	≤ 8ns	
Output Voltage	V _{OL}	0.4V _{DC} Max 0.1V _{DC} Max
	V _{OH}	2.4V _{DC} Min 0.9V _{DC} Min
Output Current	I _{OL}	16mA Max, < 25MHz 8mA Max 4mA Max 8mA Max, ≥ 25MHz
	I _{OH}	-0.4mA Min -8mA Min -4mA Min
Start Up Time	< 10ns	
Output Waveform ³	CMOS/15pF or TTL/LSTTL CMOS/15pF	(Optional) Compatible

Remark:

1. All specifications subject to change without notice.
2. Frequency stability included 25°C tolerance, tolerance over the operating temperature range, input voltage change, load change and 5 years aging.
3. Output loads also available at 30pF and 50pF.

Item	Specification	Remarks
Series	MO149T5-2G MO145C5-2G MO145C3-2G	NC/Enable Function
Nominal Frequency Range	2.000MHz to 60.000MHz	
Frequency Stability ²	±50PPM or ±100PPM	
Operating Temperature Range	0°C to +70°C (Standard)	(Optional)-40°C to +85°C
Storage Temperature Range	-55°C to +125°C	
Input	Voltage: V _{DD}	+5VDC ± 10% +5VDC ± 10% + 3.3VDC ± 10%
	Current: I _{DD}	1.000MHz to 3.000MHz, ≤ 20mA
		3.001MHz to 32.000MHz, ≤ 35mA ≥ 32.000MHz, ≤ 45mA
Output Symmetry	46-60% @ 1.4V _{DC} 46-60% @ 0.5V _{DC}	(Optional) 45-55%
Rise Time	≤ 8ns	
Full Time	≤ 8ns	
Output Voltage	V _{OL}	0.4V _{DC} Max 0.1V _{DC} Max
	V _{OH}	2.4V _{DC} Min 0.9V _{DC} Min
Output Current	I _{OL}	16mA Max, < 25MHz 8mA Max 4mA Max 8mA Max, ≥ 25MHz
	I _{OH}	-0.4mA Min -8mA Min -4mA Min
Start Up Time	< 10ns	
Output Waveform ³	CMOS/15pF or TTL/LSTTL CMOS/15pF	(Optional) Compatible

Remark:

1. All specifications subject to change without notice.
2. Frequency stability included 25°C tolerance, tolerance over the operating temperature range, input voltage change, load change and 5 years aging.
3. Output loads also available at 30pF and 50pF.