

MCO-5S-P

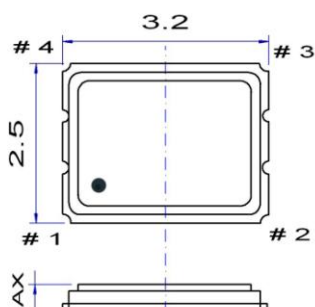
SMD Clock Oscillator
Programmable



Features

- Small package 3.2 x 2.5 mm
- Output signal CMOS
- Programmable wide frequency range
- Short lead time for samples: 1 week max.

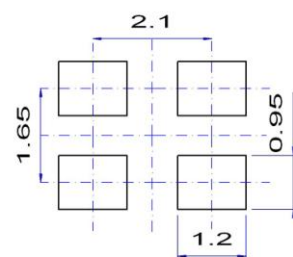
Parameter	Specification		
	MCO-5S18P	MCO-5S25P	MCO-5S3P
Frequency range	1 MHz ~ 133 MHz	1 MHz ~ 166 MHz	1 MHz ~ 200 MHz
Supply voltage	+1.8 V ±10 %	+2.5 V ±10 %	+3.3 V ±10 %
Supply current	1 ~ 75 MHz	< 8 mA	< 10 mA
	76 ~ 133 MHz	< 12 mA	< 15 mA
	134 ~ 166 MHz	-	< 15 mA
	167 ~ 200 MHz	-	< 22 mA
Frequency stability	±25 ~ ±50 ppm		
all inclusive: frequency stability, tolerance, aging, supply & load variation			
Output signal	CMOS		
Output level	V _{OH} ≥ 0.9 Vdc		V _{OL} ≤ 0.1 Vdc
Output load	15 pF ~ 25 pF		
Jitter (rms)	< 10 ps frequency	@ 12 kHz ~ 20 MHz from carrier	
Symmetry	45 ~ 55 %		@ ½ Vdc
Rise/Fall time	4 ~ 10 ns		
Tri-state function	pin #1 = high or open pin #1 = low	pin #3 ➔ signal pin #3 ➔ high impedance	
Operating temperature range	-20 ~ +70 °C -40 ~ +85 °C		commercial application industrial application
Storage temperature range	-55 ~ +125 °C		
Reflow conditions per JEDEC J-STD-020	260 °C maximum		during 10 sec. Max.
Moisture sensitivity	Level 1 (unlimited)		
Packaging units	tape & reel tape only		1'000 or 2'500 pieces < 500 pieces



Pin function

- # 1 Tri-state
- # 2 GND
- # 3 Output
- # 4 Vdc

Solder pattern



2011/65/EU RoHS compliant

06 Mar. 18

QuartzCom AG
Bruehlstrasse 15
CH 2540 Grenchen
Switzerland

Fax +41 32 644 24 05
Tel +41 32 644 24 00
E-Mail sales@quartzcom.com
www.quartzcom.com

IR reflow soldering temperature

