MCO-6S-P

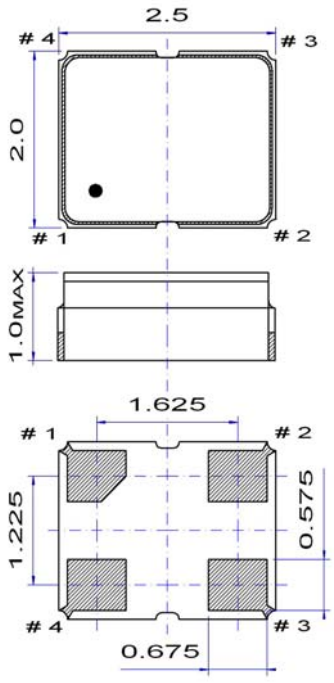
SMD Clock Oscillator
Programmable

QuartzCom
the communications company

Features

- Miniature package 2.5 x 2.0 mm
- Output signal CMOS
- Programmable wide frequency range
- Short lead time for samples: 1 week max.

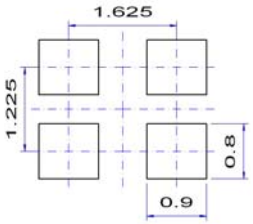
Parameter		Specification		
		MCO-6S18P	MCO-6S25P	MCO-6S3P
Frequency range		1 MHz ~ 133 MHz	1 MHz ~ 166 MHz	1 MHz ~ 200 MHz
Supply voltage		+1.8 V ±10 %	+2.5 V ±10 %	+3.3 V ±10 %
Supply current	1 ~ 75 MHz	< 8 mA	< 10 mA	< 15 mA
	76 ~ 133 MHz	< 12 mA	< 15 mA	< 20 mA
	134 ~ 166 MHz	-	< 15 mA	< 22 mA
	167 ~ 200 MHz	-	-	< 25 mA
Frequency stability		±25 ~ ±50 ppm		
all inclusive:		frequency stability, tolerance, aging, supply & load variation		
Output signal		CMOS		
Output level		$V_{OH} \geq$ 0.9 Vdc	$V_{OL} \leq$ 0.1 Vdc	
Output load		15 pF ~ 25 pF		
Jitter (rms)		< 10 ps	@ 12 kHz ~ 20 MHz from carrier frequency	
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		
Packaging units		tape & reel tape only	1'000 or 2'500 pieces < 500 pieces	



Pin function

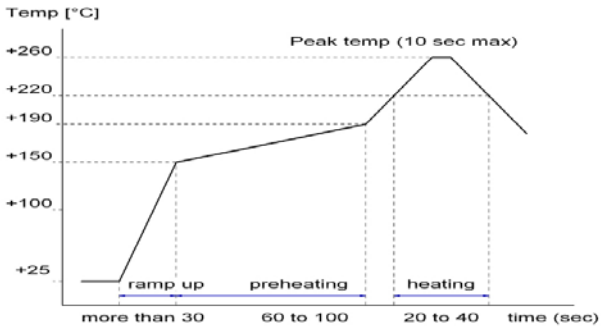
1 Tri-state
2 GND
3 Output
4 Vdc

Example for solder pattern



Do not design any conductive path between the pattern

Example for IR reflow soldering temperature



2002/95/EC RoHS compliant

31 Mar. 10

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ISO 9001
BUREAU VERITAS
Certification