

Temperature Compensated Crystal Oscillators

S series

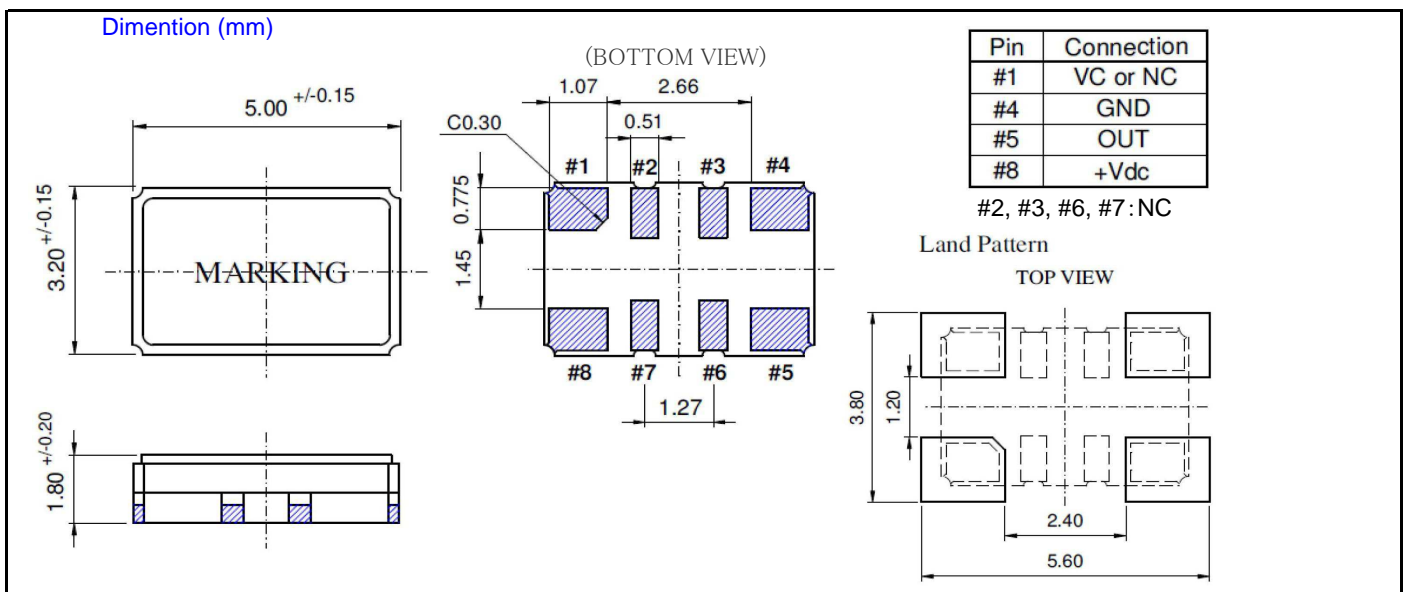


Features

- Surface mount package
- 4 pad 5x3.2x1.8 mm
- Optional voltage control function
- RoHS Compliant, Lead Free Construction

Parameters		Electrical Specification					
Frequency Range (MHz)		10.0 ~ 52.0					
Nominal Frequency (MHz)		10, 16.384, 19.2, 20, 25					
Frequency Stability vs Temperature (ppm)		±0.05	±0.1	±0.2	±0.5	±1.0	±2.0
○ : available		○	○	○	○	○	○
△ : please contact us		△	○	○	○	○	○
× : not available		×	△	○	○	○	○
-10°C ~ 60 °C		△	○	○	○	○	○
-20°C ~ 70 °C		×	△	○	○	○	○
-30°C ~ 75 °C		×	△	○	○	○	○
-40°C ~ 85 °C		×	△	○	○	○	○
Frequency Stability		vs. Aging ±1.0 ppm max. / year at 25°C					
		vs. Supply voltage ±0.3 ppm max. / Vdc ±5%					
		vs. Output Load ±0.3 ppm max. / Load ±10%					
		vs. Reflow ±1.0 ppm max. / 1 reflow					
Storage Temperature Range		-50 °C ~ +95 °C					
Supply Voltage (Vdc)		2.5 ~ 3.7 volts					
Supply Current		5.5mA max			3.5mA max		
Output Characteristics		Output Waveform		CMOS		Clipped Sine	
		Output Levels		CMOS		0.8Vp-p	
		Duty Cycle		50%±10%		-	
		Load		15pF		10kΩ // 10pF	
Frequency Control Range (For VC-TCXO)		±5.0 ppm min.					
Control Voltage Range (For VC-TCXO)		1.5V±1.0V , 1.65V±1.0V					
Control Voltage Polarity (For VC-TCXO)		Positive					
Phase Noise		-130dBc/Hz max. at 1kHz offset					

Please consult our sales representatives for other specifications.



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