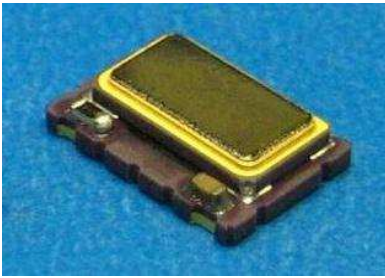


Temperature Compensated Crystal Oscillators

R series

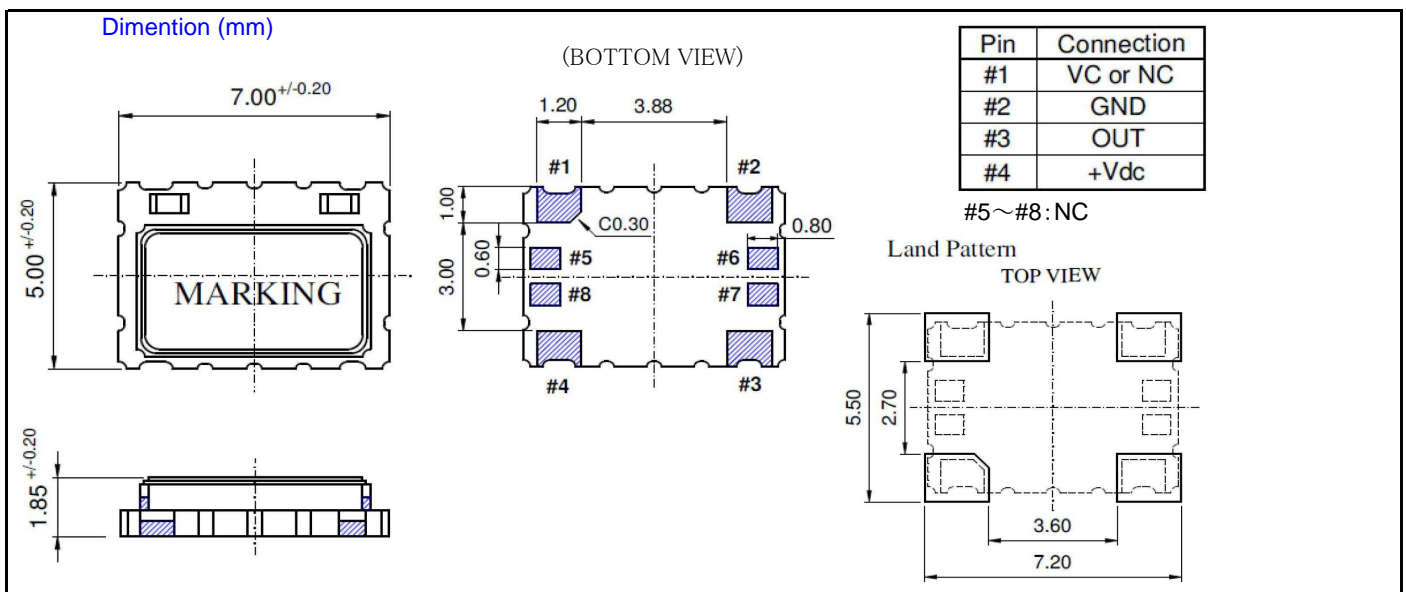


Features

- Surface mount package
- 4 pad 7x5x1.85 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		×	△	○	○	○	○
Frequency Stability		±1.0 ppm max. / year at 25°C					
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		8.5mA max			3.5mA max		
Output Characteristics		CMOS			Clipped Sine		
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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