

Crystal oscillators specification sheet

Customer name		Parts No. / Application	
1. Model		MXO-49□-I (□:stability rank code)	
2. Dimension (mm)			
2.1 Dimension (unit:mm)			
		Pin connection ①:DC +5V ②:GND ③:OUT PUT Plating materials Base plating:Ni 2 ~ 4 μm Au plating:0.1 μm min Lead material:KOVER	
2.2. Marking		Marking shall be clearly indicated followings with method which is hard to erase easily. • Manufacturer initial (M)/Frequency/Stability rank code • Lot (2 digits) : 1) Produced year (Last digits) 2) A(January) ~ M(December) *Except I	
3. Frequency		1.000 ~ 70.000MHz	
4. Frequency stability		C:±100ppm max B:±50ppm max A:±25ppm max	
5. Operation temperature range		-10°C ~ +70°C	
6. Storage temperature range		-20°C ~ +80°C	
7. Input voltage		+5V±5% (DC)	
8. Input current		30mA max	
9. Output waveform		C-MOS (TTL compatible)	
10. Output Load		15pF (5TTL)	
11. Output level (C-MOS)		"V_{OH}" 0.9V_{DD} min (TTL 2.4V_{DD} min) "V_{OL}" 0.1V_{DD} max (TTL 0.4V_{DD} max)	
12. Rise/Fall times (tr/tf)		8nS max	
13. Duty cycle (Symmetry)		45% ~ 55% (+2.5V level) 40% ~ 60% (+1.4V level)	
14. Frequency Aging		±4ppm per year	
15. Output waveform diagram (C-MOS)			
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