



Dynamic Engineers Inc.

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HTXO7500BC-4MHz-A

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Features and Benefits

4MHz Frequency Range
1.8V Supply voltage
CMOS Output waveform
7x5x2mm Size

Typical Applications

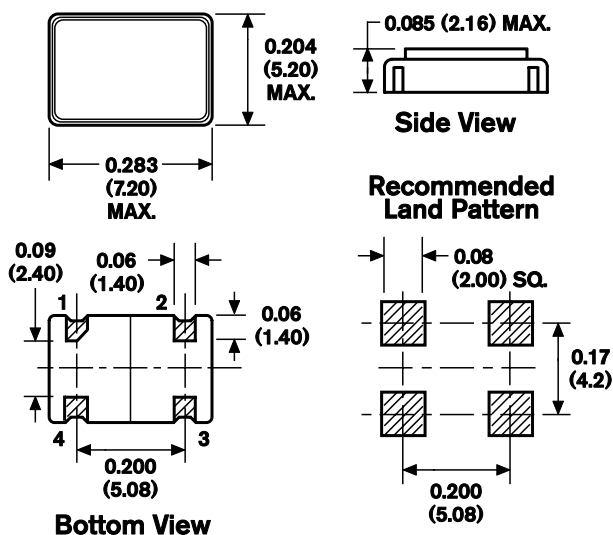
SatCom
Test equipment
Network clock
Base station

Description

The HTXO7500BC-4MHz-A is designed for applications where exceptional frequency stability and timing is required. It has both excellent temperature performance and short-term stability. These characteristics make it an excellent choice for timing applications.

Mechanical Drawing & Pin Connections

Drawing No: MD190001-1



Pad 1	No Connect
Pad 2	Ground (Case)
Pad 3	Output
Pad 4	Supply V (Vcc)

Unit in mm
1mm = 0.0394 inches



Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Frequency Range	F _{nom}			4		MHz	
RF Output							
Signal Waveform			CMOS				
Load				15		pF	
Duty Cycle				45-55%			
Power Supply							
Voltage Supply		±5%		1.8		V	
Frequency Stability							
Versus Operating Temperature Range		0°C to +220°C		±250		ppm	
Environmental, Mechanical Conditions							
Operation Temperature	-40°C to + 230°C						
Operation Life	Temperature Cycling to +220°C with a dwell time of 5 hours, 200 Temperature Cycles						
Stabilization Bake	24 Hours (min @ T ≥ 150°C)						
Screening	Internal & External Visual Inspection; Burn-in; Temperature Cycling; Constant Acceleration; Fine and Gross Leak; Final Electrical Test (at +25°C & over temperature)						