

Dynamic Engineers Inc.

2550 Gray Falls Dr., Suite#128, Houston, TX, 77077 USA TEL: 1-281-870-8822 EMAIL: Sales@DynamicEng.com XO2520AT-6.5MHz-A Clock Oscillator

Features and Benefits

Frequency range: 6.5MHz Supply voltage: 5V Steady current: 10mA Max Output waveform: CMOS Frequency Tolerance: ±50ppm Aging: ±5PPM first year Operating temperature: -40°C to +85°C Size: 2.5x2.0x1.0mm

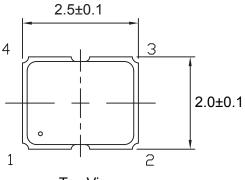
Typical Applications

IWLAN GPS Smart phone

Mechanical Drawing & Pin Connections

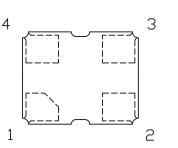
Drawing No:

MD200055-1



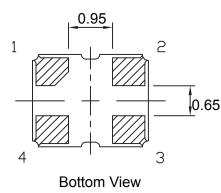


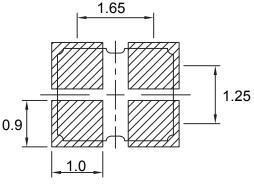
Front View



1INH
2GND
3Output
4VDD

INH	'H' or Open	'L' (Standby)
Output	Enable	High Impedance





Recommended Land Pattern

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1.0 Max.

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Specifications

Oscillator	0	O an all the m	Value			Unit	Note	
Specification	Sym	Condition	Min.	Тур.	Max.			
Frequency Range				6.5		MHz		
RF Output								
Output Waveform			CMOS					
Load	R∟				15	pF		
H-Level Voltage	VH		90% V _{DD}			V		
L- Level Voltage	VL				10% V _{DD}	V		
Symmetry		@50%VDC	40%		60%			
Rise and Fall Time		Tr/Tf			10	ns		
Power Supply								
Supply Voltage	Vcc	±10%		5.0		V		
Current					10	mA		
Standby Current				10		uA		
Frequency Stability								
Frequency Tolerance		-40°C to +85°C			±50	ppm		
Aging 1 st Year					±5.0	ppm		
Environmental, Mechanical Conditions								
Operating temperature range	-40°C to +85°C							
Storage temperature range	e temperature range -40°C to +90°C							