

Features and Benefits

Ultra small SMD seam sealed spread spectrum.
 Low EMI clock oscillator
 SMD CMOS output
 5.0x3.2x1.2mm
 Tri-state function available

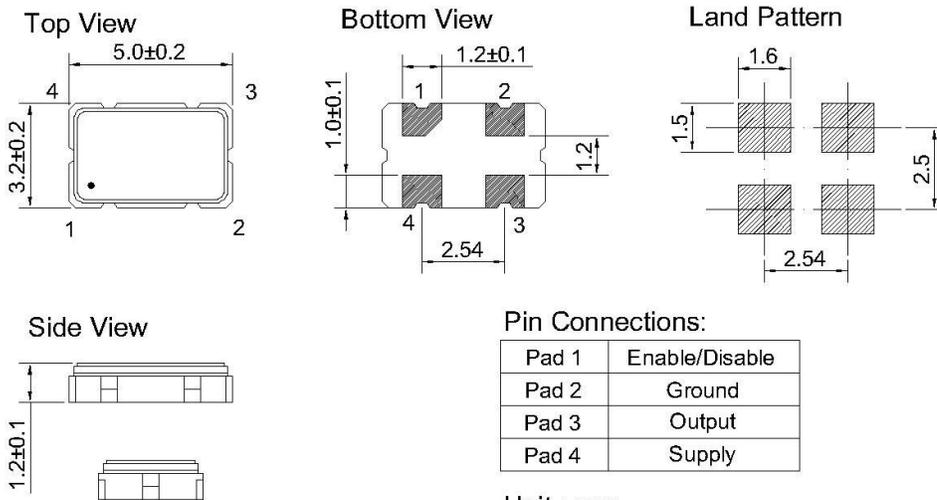
Typical Applications

Printers; Multiple function printers(MPCs)
 Digital copiers; PDAS
 Networking; LAN/WAN; Routers
 Storage systems(CD-ROM, VCD,DVD and HDD)
 Scanner; Modems; Projectors

Embedded systems; Electrical musical instrument
 Automotive; GPS car navigation systems
 LCD PC monitors /LCD TVs
 ADSL; PCMCIA
 Still Digital cameras(SDCs)

Mechanical Drawing & Pin Connections

MD140057-1



Specification

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Nominal Frequency	F _{nom}		6.0		160.0	MHz	
CMOS	Logic Level 1	At 90% VDD	2.4	3.2		V	
	Logic Level 0	At 10% VDD		0.2	0.5	V	
	Rise / Fall Time	10% VDD --- 90% VDD			4	ns	
	Duty Cycle	CL=15pF; at 50% VDD	45	50	55	%	
	Cycle to cycle Jitter			+/-250	+/-300	ps	
	Start Time	T _s		2.0	5.0	ms	
	Output Load			15		pF	
	EMI Reduction			-7		dBc	
	Modulation Carried Frequency			6.9		55.5	KHz
Spread Type/Total Spread Percentage			Center Spread / +/-0.25%				
Power Supply							
Supply Voltage	V _{cc}		3.135	3.3	3.465	V	
Supply Current		6.0 to 50.0MHz		10		mA	
		50.1 to 100.0MHz		18			
		100.0 to 160.0MHz		35			
Aging							
Aging Per Year		at 25°C	-5.0		+5.0	ppm	
Frequency Stability							
Frequency stability vs. temperature			+/-25ppm	+/-50ppm	+/-100ppm		For standard please contact our sales.
		-10°C to +70°C	✓	✓	✓		
		-40°C to +85°C	✓	✓	✓		