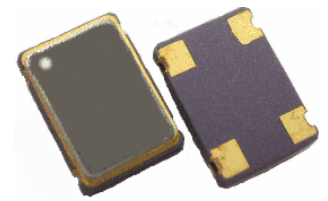


Low EMI oscillators reduce EMI radiation in electronic systems at the source - the clock oscillator itself. These low-EMI oscillators use spread spectrum technology (SST) to modulate the output frequency with a low frequency carrier, spreading the peak energy of the output frequency and its harmonics over a wider bandwidth.



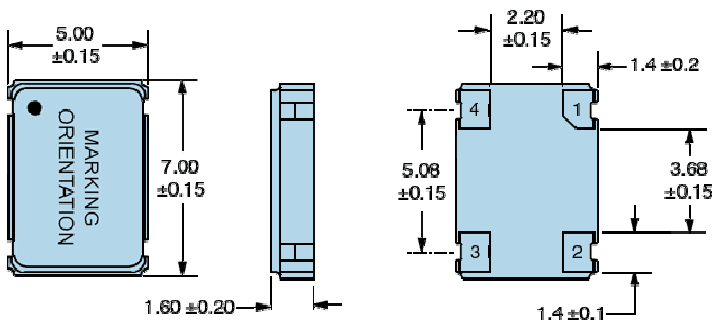
Features

- ✘ 5x7 Ceramic Package
- ✘ Tri-State
- ✘ 3.3VDC
- ✘ Many Center and Down Spread Options
- ✘ Low Power Consumption
- ✘ Off the Shelf Evaluation Units
- ✘ Low Power Consumption

Specifications

Parameters	Symbol	Min.	Typ.	Max.	Units	Notes
Nominal Frequency		13 to 160			MHz	
Frequency Tol./Stability		±50			ppm	Excludes Modulation
Supply Voltage	VDD	3.3±10%			V	
Output Load CMOS	CL	15			pF	
Aging		±3			ppm	1st Year @ 25° C
Enable Control		Yes			-	Pad 1
Operating Temperature		-10	25	70	°C	
Storage Temperature		-10	~	70	°C	
Output Voltage High	VoH	2.97			V	
Output Voltage Low	VoL			0.33	V	
Input Current	Icc			15	mA	
Rise Time	Tr					
13~49.99MHz				20.0	ns	10%~90% VDD Level
50~79.99MHz				25.0	ns	10%~90% VDD Level
80~99.99MHz				30.0	ns	10%~90% VDD Level
100~160MHz				40.0	ns	10%~90% VDD Level
Fall Time	Tf					
13~49.99MHz				10.0	ns	10%~90% VDD Level
50~79.99MHz				8.0	ns	10%~90% VDD Level
80~99.99MHz				5.0	ns	10%~90% VDD Level
100~160MHz				4.0	ns	10%~90% VDD Level
Symmetry (Duty Ratio)	TH/T			60	%	
Start-up time	Tosc			10	ms	
Enable Voltage High	Vhi				V	
Disable Voltage High	Vlo			30%VDD	V	
Cycle to Cycle Jitter		-150		-150	ps	

Mechanical



Pin 1: E/D
Pin 2: Case Ground

Pin 3: Output
Pin 4: Supply Voltage

Part Number

LE573N-XXX.XXX-XX

Model #

Modulation Spread

Frequency

Example:
014.318 = 14.318 MHz
024.000 = 24MHz
160.000 = 166 Mhz

- C0 - No Spread
- C1 - Center Spread ±0.5%
- C2 - Center Spread ±1.0%
- C3 - Center Spread ±1.5%
- C4 - Center Spread ±2.0%
- D1 - Down Spread -1.0%
- D2 - Down Spread -2.0%
- D3 - Down Spread -3.0%
- D4 - Down Spread -4.0%