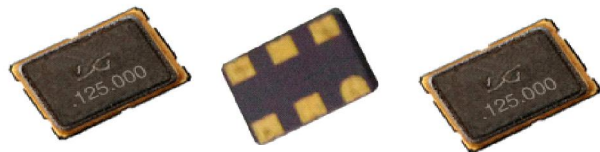




SMD5032 LVPECL Crystal Oscillator



FEATURES

- Tri-State Enable/Disable
- Low jitter and Noise
- Mainly used in SONET, SDH and Gb Ethernet
- Tape And Reel

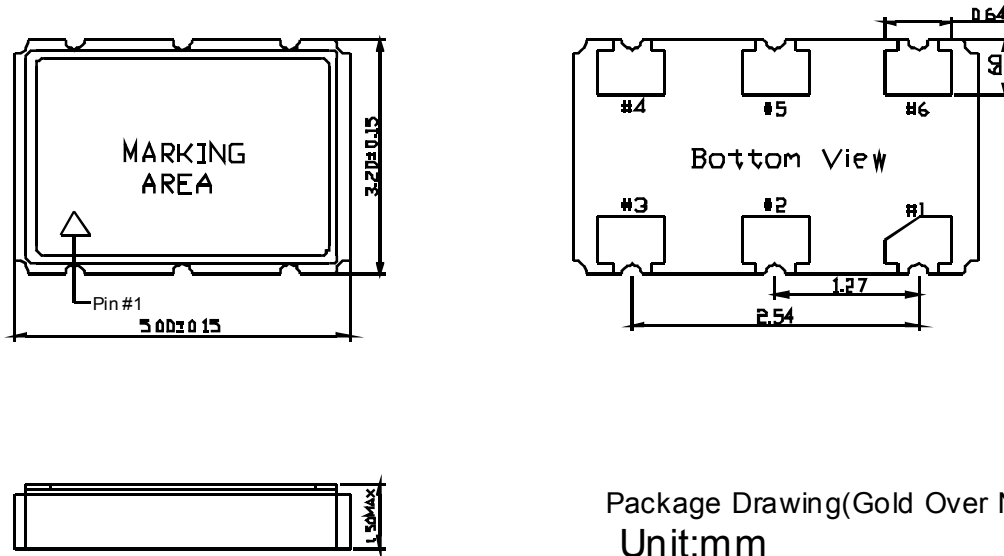
SPECIFICATION:

Parameter	Min	Typical	Max	Unit
Package	SMD5032			
Frequency Range(F0)	62.50		175.00	MHz
Frequency Tolerance @25±3℃ (ΔF/F0)	±20	F0	±50	PPM
Frequency Stability @TOPR(ΔF/F0)	±20	F0	±50	PPM
Operating Temperature Range(TOPR)	-40		+85	℃
Storage Temperature Range(TSTG)	-55		+125	℃
Operating Voltage(Vcc)	3.3±5%			V
Input Current On Load(Icc)			90	mA
Duty Cycle(η)	45	50	55	%
Rise Time (Tr)			1	ns
Fall Time (Tf)			1	ns
Start Time(Ts)			10	ms
Output Load	50Ω to VCC-2.0V			
Integrated phase jitter(RMS)	1ps(max) at Integrated 12KHz to 20MHz			
Output Low Voltage Level("0")			VCC-1.620	V
Output High Voltage Level("1")	VCC -1.025			V



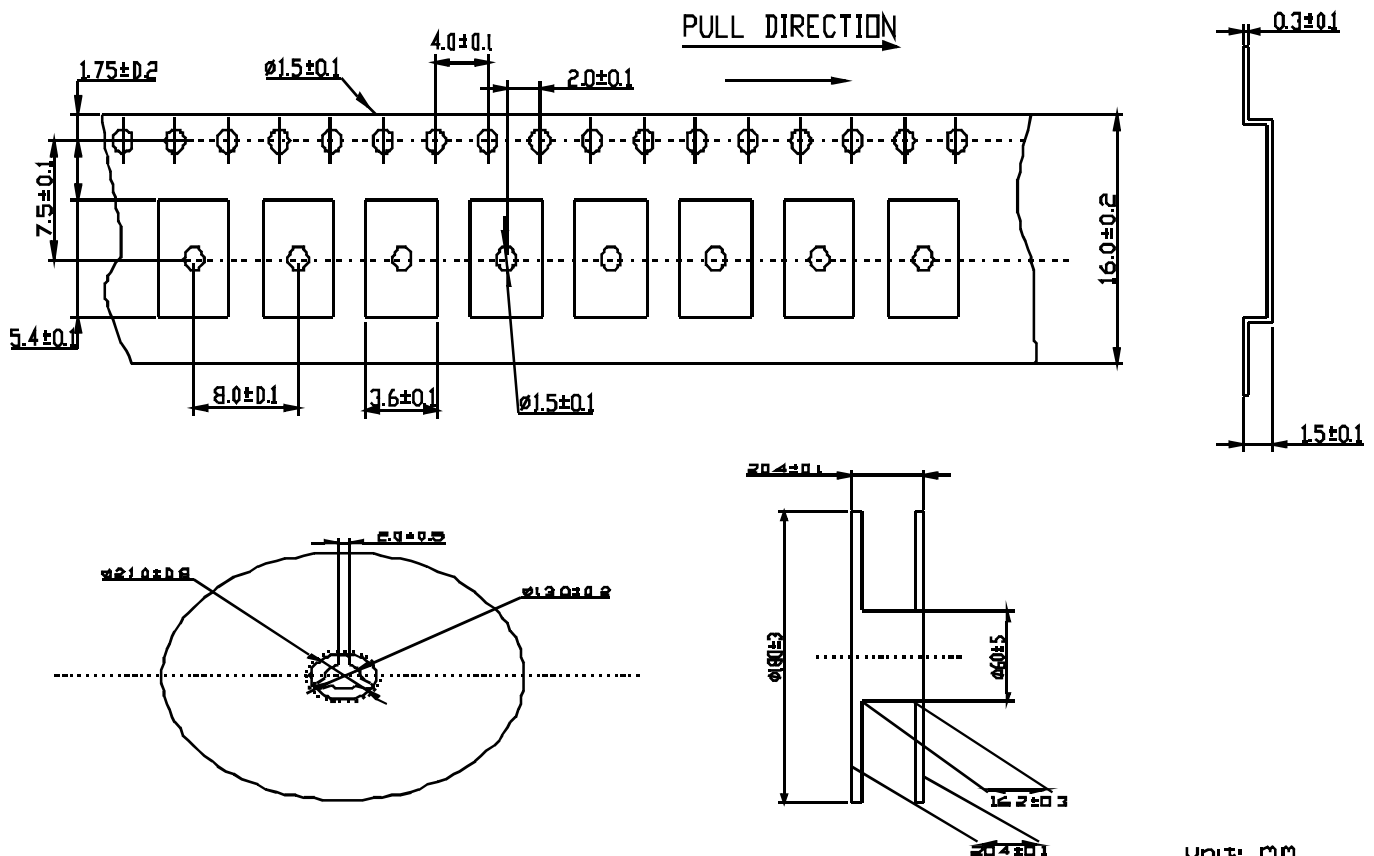


■ DIMENSIONS AND PIN FUNCTION:



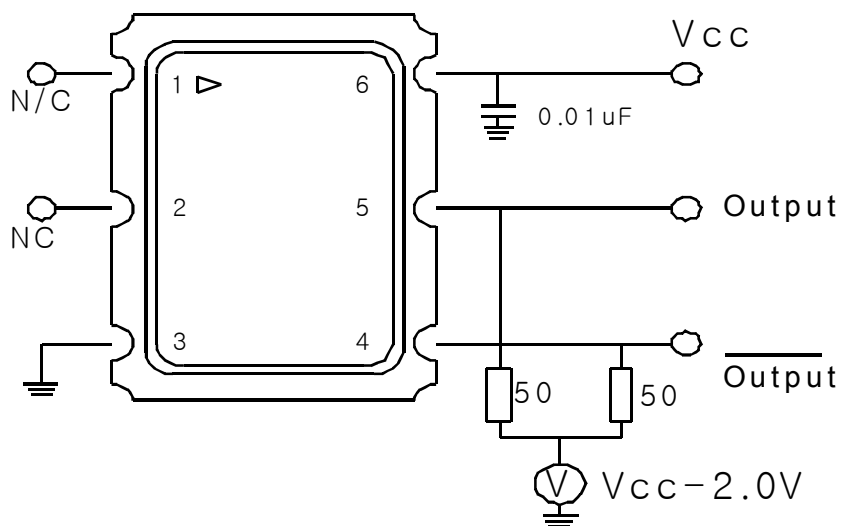
Pin#	Symbol	Function
1	N/C	Enable/Disable Function
2	NC	This pin has no internal connection and is floating
3	GND	Ground
4	F0	Output Frequency
5	Cf0	Complementary Output Frequency
6	Vcc	Supply Voltage

■ TAPING AND REEL:





■ TEST CIRCUITS:



■ OUTPUT WAVEFORM:

$$\text{Duty}(\%) = [T_H / (T_H + T_L)] * 100\%$$

