

SOC5 LVDS Crystal Oscillator



Size: 5.0×3.2×1.30 mm

Features



RoHS compliant



Pb free

- 3.3V / 2.5V operation voltage.
- Package size: 5.0×3.2×1.30 mm.
- LVDS output, output frequencies 25MHz to 200MHz.
- Excellent low phase noise and jitter.
- 3-state function available.
- Automatic mounting and reflow soldering.
- Applications: Ethernet, Server, SDH, SONET, PC, Mobile Telecommunications, etc.
- RoHS Compliant / Pb-Free.



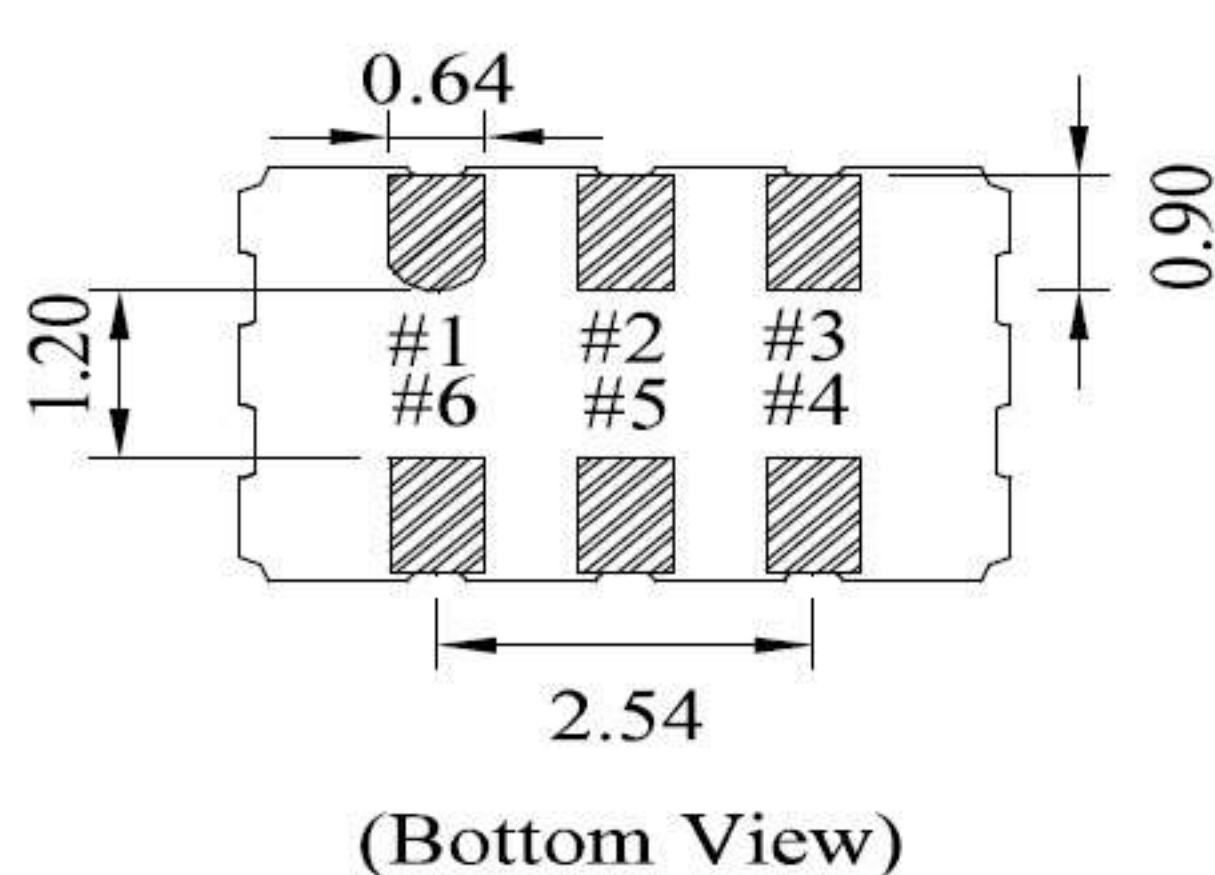
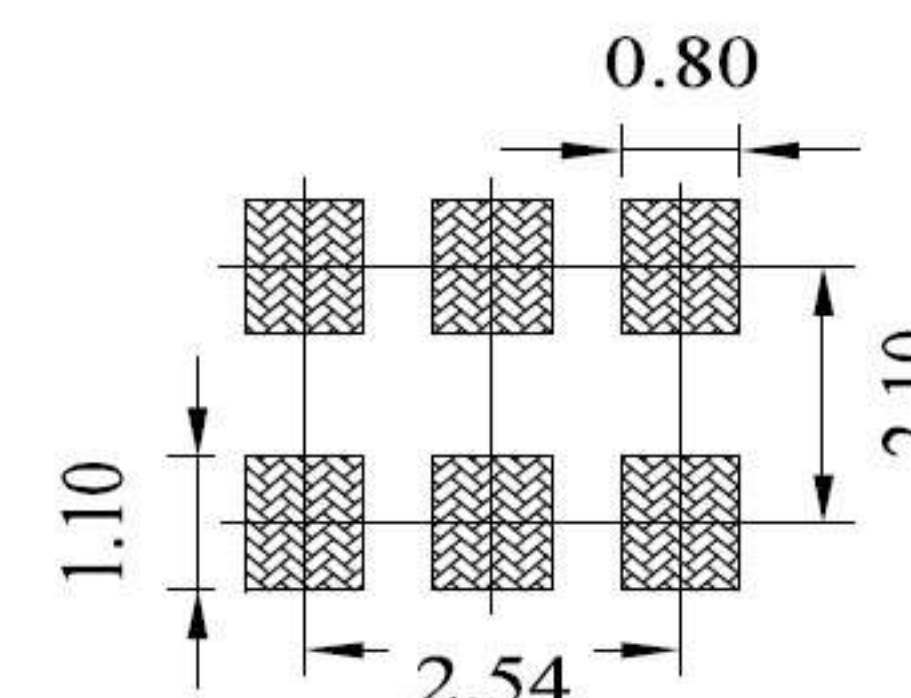
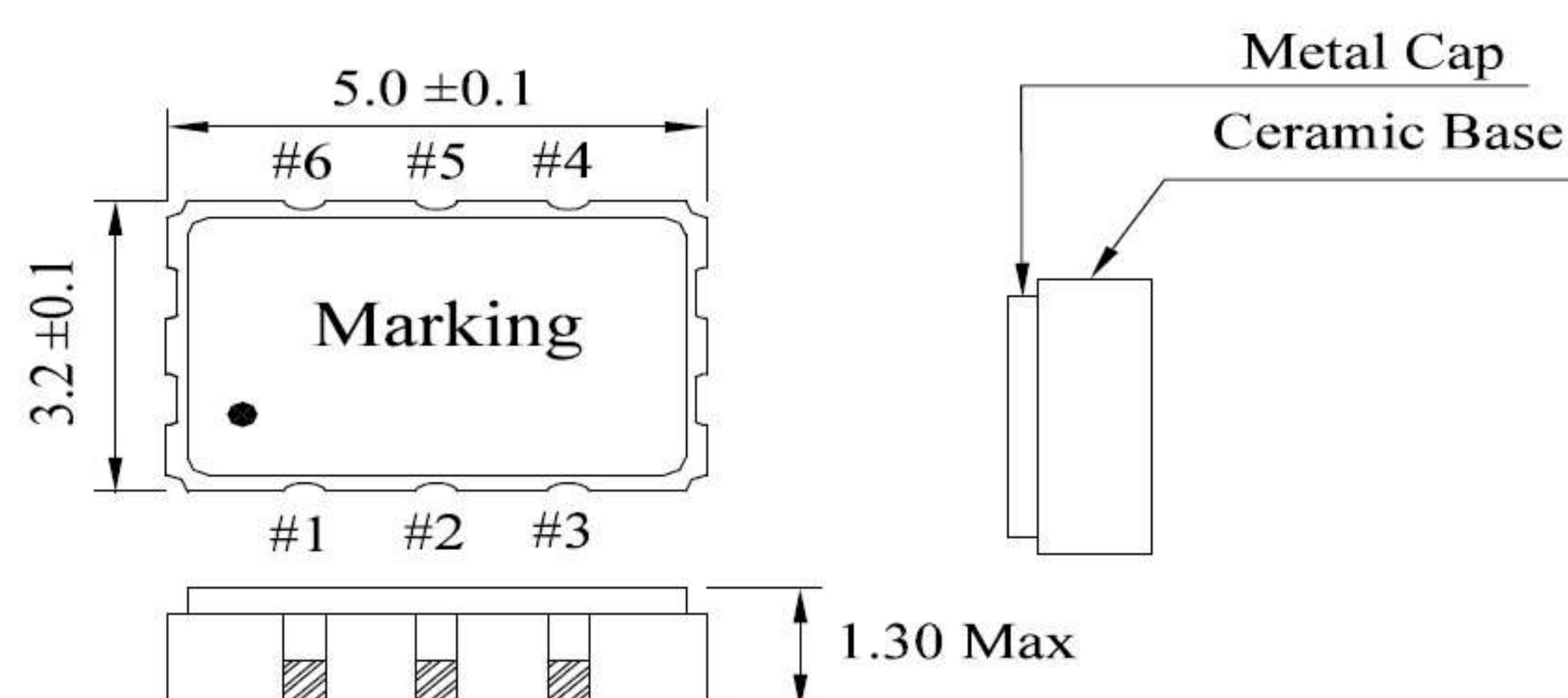
Electrical Specifications

Item /Type	SOC5 LVDS Crystal Oscillator)
Output Type	LVDS
Output Load	100 Ω
Oscillation Mode	Fundamental / 3rd Overtone
Supply voltage	2.5V, 3.3V
Frequency range	25MHz~200MHz
Overall Frequency Stability*	±50ppm, or specify
Operating Temperature Range	-20~+70°C, -40~+85°C, or specify
Storage Temperature Range	-55~+125°C
Voltage Vol (Typ.) / Voh (Typ.)	0.9V / 1.6V
Rise(Tr) / Fall(Tf) Time(20%~80%)	1ns Max.
Supply Current	80mA Max.
Symmetry	45~55%
Start-up Time	10ms Max.
Phase Jitter	1pS Max.

* Inclusive of frequency tolerance at 25°C, variation over temperature, supply voltage variation, aging and vibration.

Dimensions

Units:mm



Pin Connections

- # 1 : INH
- # 2 : Nc
- # 3 : Gnd
- # 4 : Output
- # 5 : Complementary Output
- # 6 : V_{dd}

INH Function	
#1	#4 , #5(Output)
Open	Active
"H"Level	Active
"L"Level	High Z(Oscillation Stopped)