

CRYSTAL OSCILLATORS



HCSL TYPE SHO-53

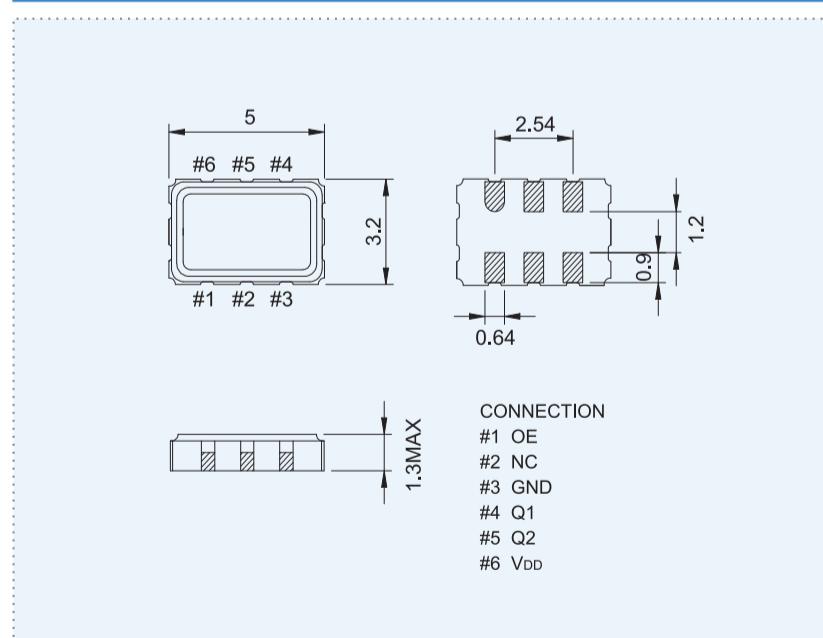
- Ceramic SMD package
- 3rd overtone crystal used
- HCSL(High-speed Current Steering Logic) output
- Stability up to $\pm 25\text{ppm}$
- Tri-state function available
- Reflow soldering is possible
- Available on tape and reel

■ ELECTRICAL SPECIFICATIONS

Frequency	100MHz, 125MHz
Operating Temperature Range	$\pm 100\text{ppm}$, $\pm 50\text{ppm}$, $\pm 25\text{ppm}$ 0 to $+70^\circ\text{C}$ or -40 to $+85^\circ\text{C}$
Storage Temperature Range	-55 to $+125^\circ\text{C}$
Frequency Tolerance/Stability	Inclusive of operating temperature range, supply voltage and load $\pm 25\text{ppm}$
Output	50ohm
Supply Voltage(V_{DD})	3.3, 2.5 Vdc $\pm 5\%$
Input Current	88mA max
Output Voltage Logic High(V_{OH})	0.6V min
Output Voltage Logic Low(V_{OL})	0.05V max
Rise / Fall Time	700ps max
Duty Cycle	50 $\pm 5\%$ max
Output Enable Function	V _{IH} : $\geq 0.7V_{DD}$ V _{IL} : $\leq 0.3V_{DD}$
Aging(at 25°C)	$\pm 3\text{ppm/year Max}$
Start-up time	10msec Max
Phase Jitter(12kHz to 20MHz)	1 ps Max

■ MECHANICAL DIMENSIONS

(mm)



■ LAND PATTERN

(mm)

