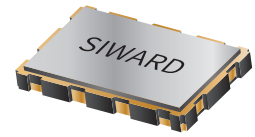


PRECISION CRYSTAL OSCILLATOR

OSC73



Applications

- Wireless-LAN / PLC modem / Mobile Communications / WiMax etc.

Features

- Ceramic package / Dimensions (5.0×3.2×1.05)
- Low current consumption
- 3.1mA typ. (40MHz Vdd=+2.5V)
- Low phase noise, Low jitter
- CMOS output with Tri-state function

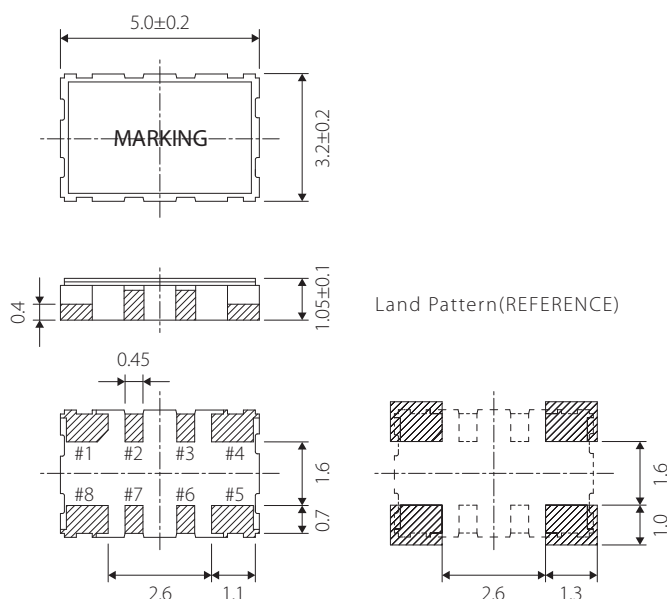
Specifications



Model	OSC73
Frequency range	2.5~60.0MHz
Nominal frequency (MHz)	5, 10, 12, 16, 20, 24, 32, 40, 54
Storage temperature range	-40~+85°C
Operating temperature range	-40~+85°C
Frequency stability	$\pm 10 \times 10^{-6}$, $\pm 15 \times 10^{-6} \times 1$
Aging	$\pm 2 \times 10^{-6}$ / 1st year at 25°C
Power supply voltage (Vdd)	+1.8, +2.5, +3.0V, +3.3V DC $\pm 10\%$
Current consumption	7mA max. / 10uA max (Standby)
Output level	C-MOS
Load	15pF max.
Output voltage level	V _{OL} : 10%Vdd max. / V _{OH} : 90%Vdd min.
Rise & Fall time	5ns max. / 10%Vdd ~ 90%Vdd
Duty cycle	45% ~ 55% at 1/2Vdd
Phase Noise / Jitter	-145dBc / Hz Typ. at 10kHz offset / 1 σ 3ps typ.
Tri-state Function	#1: Floating or "H"→Output enable / #1: "L"→Output disable (Hi-Z)

Package quantity: 3,000pcs max./Reel.

Outline and Dimensions [unit:mm]



Terminal	Connection
#1	Tri-state
#2	N.C
#3	N.C
#4	GND
#5	Output
#6	N.C
#7	N.C
#8	Vcc

Tri-state Function	
Tri-state pin	Output
High or Floating	Active
Low	Hi-Impedance