



■ SMD OSC 2.5×2.0mm

- Wide Frequency & Voltage range
- Available 3-State function
- Excellent heat resistance, high precision, and high stability.
- Nominal frequency range : 0.5MHz to 110MHz
- Mode : Fundamental, 3rd

- Applications : PC, DVD, PDA, TV, HDTV, ISDN, Mobile phone, Gb ethernet.

■ Standard Specification

Frequency Range	0.5MHZ to 110.000MHZ	
Supply voltage	1.8V, 2.5V, 3.3V	
Current consumption	15mA max	
Temperature Range	Operating	-40°C to +85°C, User spec
	Storage	-55°C to +125°C
Frequency Stability	±50ppm max, User spec	
Output load condition	CMOS 15pF	
Symmetry (Duty)	45% to 55%	
Output rise and fall time (tr/ff)	5ns max	
High output voltage	90% Vdd	
Low output voltage	10% Vdd	
Pin 1 Tri-Sate	Output enable voltage	No Connection
	Output enable voltage	70% Vdd min
	Output disable voltage	30% Vdd max
Oscillation start up time	5ms max	
Aging	± 3ppm max	
phase Jitter (12KHZ ~20MHZ)	1 ps max	
Period Jitter (Pk-Pk)	±50ps max	

■ Dimensions (mm)

