

# SMD SEAM SEALING OSCILLATOR 7.0×5.0×1.3mm

## ■ Features

- Small SMD seam sealed clock crystal oscillator units.
- Designed for automatic mounting and reflow soldering.
- Tri-State function available.
- Supply voltage range : 1.8 V ~ 5 V.
- High stability, low jitter, low power consumption.

## ■ Applications

Digital Electronics, Consumer Products, Mobile Communications,  
and Automotive

## ■ Specifications

Output Type	CMOS		
Supply Voltage	1.8 V	2.5 V, 2.8 V, 3.3 V	5 V
Frequency range	1 ~ 150 MHz		
Oscillation Mode	Fundamental / 3rd Overtone		
Frequency Stability	± 25 ppm, ± 50 ppm		
Operating Temperature Range	-10 ~ + 70 °C, - 40 ~ + 85 °C		
Storage Temperature Range	- 55 ~ + 125 °C		
Voltage Vol ( Max. ) / Voh ( Min. )	0.1 VDD / 0.9 VDD		
Rise ( Tr ) / Fall ( Tf ) Time	8 ns Max.		
Supply Current	20 mA Max.		
Symmetry	40 ~ 55 %, 40 ~ 60 %		
Start-up Time	5 ms Max.		
Phase Jitter ( 12 KHz ~ 20 MHz )	1 ps Max.		
Aging ( at 25 °C )	± 3 ppm / year Max.		

