

7 x 5 mm SMD SEAM SEALED CXO TYPE / 7W SERIES

■ Features

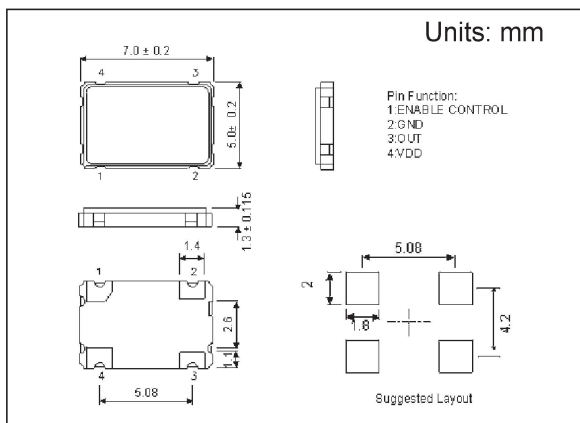
- Small SMD type clock crystal oscillator units.
- High precision characteristic covering up to wide frequency range.
- Designed for automatic mounting and reflow soldering.
- Optionable stand-by function for output: Tri-state output.
- Supply voltage range: 1.8 V ~ 5 V.
- High stability, low jitter, low power consumption.
- Main application: wireless communication, PC, and LCDM.
- Lead free parts.



■ Electrical Specifications

Item	Type	7W		
Output Load (CMOS)		15 pF	15 pF, 30 pF	15 pF, 50 pF
Supply Voltage		1.8 V	2.5 V, 2.8 V, 3.3 V	5 V
Frequency Range		1 ~ 170 MHz		
Frequency Stability		± 25 ppm, ± 50 ppm		
Operating Temperature Range		$-10 \sim +70$ °C, $-40 \sim +85$ °C		
Storage Temperature Range		$-55 \sim +125$ °C		
Voltage Vol (Max.) / Voh (Min.)		0.1 VDD / 0.9 VDD		
Rise (Tr Max.) / Fall (Tf Max.) Time		10 ns(1~10 MHz), 7 ns(20~50 MHz), 5 ns(> 50 MHz) Max.		
Supply Current		20 mA Max.	30 mA Max.	45 mA Max.
Symmetry		40 ~ 60 %		
Start-up Time		10 ms Max.		
Phase Jitter (12 KHz ~ 20 MHz)		10 ps Max.		
Aging (25°C)		± 3 ppm / year Max.		

■ Dimensions



■ Reflow Condition

