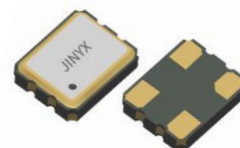


Features

- .Small SMD seam sealed clock crystal oscillator units.
- .High precision characteristic covering up to wide frequency range.
- .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.
- .Main application : wireless communication, PC, and LCDM.



Electrical Specifications

Item/Type	4V70		
Output Type	CMOS		
Output Load	15 Pf	15 pF , 30 pF	15 pF , 50 pF
Oscillation Mode	Fundamental / 3rd Overtone		
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 ~ + 70℃ , - 40 ~ + 85℃		
Storage Temperature Range	- 55 ~ + 125℃		
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℃)	±3 ppm / year Max		

Dimensions

