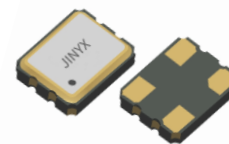


### Features

- .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 ~ 5.0 V.
- .High stability, low jitter, low power consumption.
- .Main application : wireless communication set, PDA, and DSC.



### Electrical Specifications

Item/Type		4V50		
Output Type		CMOS		
Output Load		15 pF , 30 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 ~ 150 MHz		
Frequency Stability		± 20 ppm , ± 25 ppm , ± 30 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	1~75MHz	5 mA Max	10 mA Max	20 mA Max
	75~150MHz	15 mA Max	20 mA Max	NA
Symmetry		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

