



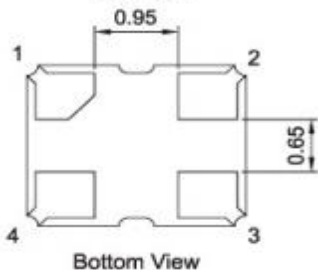
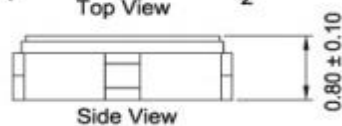
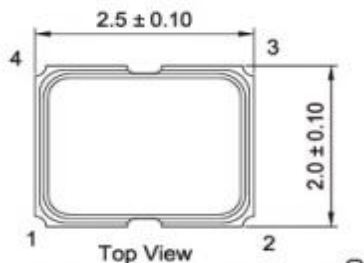
### Features

- Extremely small SMD seam sealed clock oscillator unit;
- Tri-State function available;
- Low current consumption;
- Small supply voltage shift;
- Main application :Application for smart phone, sip module, variety of compact portable consumer products;
- RoHS Compliant / Pb Free.

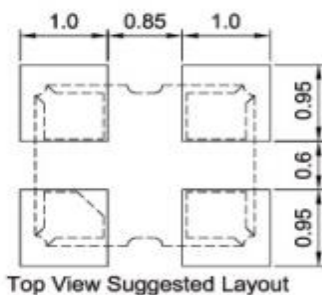
### Crystals specifications

ITEMS (项目)		PARAMETER (规格说明) 022
Output Type(输出模式)		CMOS
Output Load(输出负载条件)		15 pF , or specify
Oscillation Mode(振荡模式)		Fundamental
Supply Voltage(电源电压)		1.8±10%V ; 2.5±10%V ; 3.3±10%V
Frequency Range(输出频率范围)		4 ~ 54MHz
Frequency Stability		± 25 ppm , ± 50 ppm
Operating Temperature Range(工作温度)		- 10 ~ + 70 ℃ , - 40 ~ + 85 ℃
Storage Temperature Range(储存温度)		- 55 ~ + 125 ℃
Oscillating voltage(振荡电压)	Voltage Vol ( Max. )	10 % VCC Max.
	Voltage Voh ( Min. )	90 % VCC Min
Rise ( Tr ) / Fall ( Tf ) Time: 上升/下降时间		5 ns Max.
Current Consumption ( 功耗 )		5 mA Max.
Symmetry(占空比)		40 ~ 60 %
Start-up Time(振荡启动时间)		5 ms Max.
Phase Jitter ( 12 KHz ~ 20 MHz )		1 ps Max.
Aging ( at 25 ℃ )频率老化		± 3 ppm / year Max.
Packing Unit(包装单位)		3, 000pcs/Reel

### Dimensions



**PAD FUNCTION:**  
 1: ENABLE CONTROL  
 2: GND  
 3: OUT  
 4: VDD



Units: mm

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