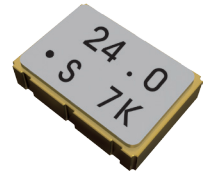


# CRYSTAL OSCILLATOR

## SCO-2016 *New Product*



### Applications

- Mobile phone / Wireless-LAN / PC-Card / DVD / DVC / DSC etc..

### Features

- Small ceramic package / Dimensions (2.05 × 1.65 × 0.85)
- Low current consumption
- CMOS output / with Tri-state function

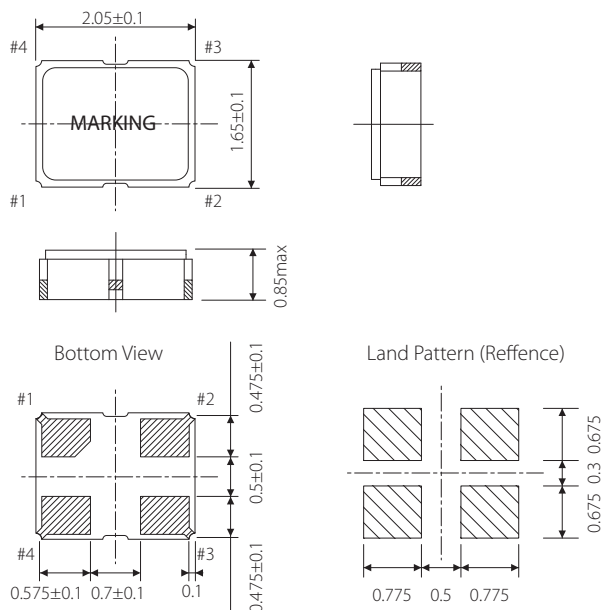
### Specifications



Model	SCO-2016		
Frequency range	1.500~54.000 MHz		
Storage temperature range	-40~+85°C		
Operating temperature range	-10~+70°C		
Frequency stability	±25 × 10 <sup>-6</sup> , ±30 × 10 <sup>-6</sup> , ±50 × 10 <sup>-6</sup> , ±100 × 10 <sup>-6</sup>		
Power supply voltage (Vdd)	+3.3V DC ± 5%	+2.5V DC ± 5%	+1.8V DC ± 5%
Current consumption	3.5 mA max: ~24MHz 5.0 mA max: ~40MHz 8.0 mA max: ~54MHz	3.0 mA max: ~24MHz 4.5 mA max: ~40MHz 5.0 mA max: ~54MHz	2.5 mA max: ~24MHz 3.5 mA max: ~40MHz 4.5 mA max: ~54MHz
Output level	C-MOS		
Load	15pF max.		
Output voltage level	V <sub>OL</sub> :10%Vdd max. / V <sub>OH</sub> :90%Vdd min.		
Rise & Fall time	4.5ns max. / 0.1Vdd - 0.9Vdd	5.0ns max. / 0.1Vdd - 0.9Vdd	6.5ns max. / 0.1Vdd - 0.9Vdd
Duty cycle	45% ~ 55% at 1/2Vdd		
Tri-state Function	#1: Floating or "H" → Output enable / #1: "L" → Output disable(Hi-Z)		

Package quantity: 3,000pcs max./Reel.

### Outline and Dimensions [unit:mm]



Terminal	Connection
#1	Tri-state or N.C
#2	GND
#3	OUTPUT
#4	Vdd

#### Tri-state Function

Tri-state Pin	Output
High or Floating	Active
Low	Hi-impedance