

# SMD Crystal Oscillators

## CMOS Output

### 7.0x5.0x1.3mm O75 Series



#### 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, PC, and LCDM.
- RoHS Compliant / Pb Free.



#### Crystals specifications

ITEMS/TYPE	O75
Frequency Range	1~170MHz
Output Type	CMOS
Output Load	15pF, 30pF, or specify
Oscillation Mode	Fundamental / 3rd Overtone
Supply Voltage	1.8V~5.0V, or specify
Frequency Stability	± 20 ppm , or specify
Operating Temperature Range	-40~+85 °C , or specify
Storage Temperature Range	-55~+125 °C
Voltage Vol ( Max. )/Voltage Voh ( Min. )	VOH=90%Vdd / VOL+10%Vdd
Rise ( Tr ) / Fall ( Tf ) Time	8ns Max.
Current Consumption	20mA Max.
Symmetry	45~55%
Start-up Time	5ms Max.
Phase Jitter( 12KHz~20MHz )	1ps Max.
Aging ( at 25°C )	± 3 ppm / year Max.

#### Dimensions and patterns(unit:mm)

