

SOC0705

SMD Crystal Oscillator

Application

- IT Applications
- Tele Communications
- Data Communications
- Automotie Electronics

Feature

- Small Size 7.0x5.0x1.75mm
- Supply Voltage 3.3V & 5.0V
- Available in Tristate (Control via pin 1)
- Ceramic Surface Mounted
- Lead Free Available
- RoHS Compliant

Specification

| Model | SOC0705 |
|--------------------------|----------------------------------|
| Frequency Range, MHz | 0.5 ~ 125.0 |
| Supply Voltage, V | +3.3 ±5%, +5.0 ±5% |
| Enable/Disable Tristate | Yes, control via Pin 1 |
| Frequency Stability, PPM | ±25 ~ ±100 |
| Operating Temp, °C | 0 ~ +70 (-40 ~ +85 is available) |
| Storage Temp, °C | -40 ~ +85 |
| Output Symmetry, % | 40 ~ 60 (*45 ~ 55 is available) |
| Start up Time, ms | 10 |
| Aging, PPM | ±5 |
| Package | Tape/Reel |

Standart Frequencies

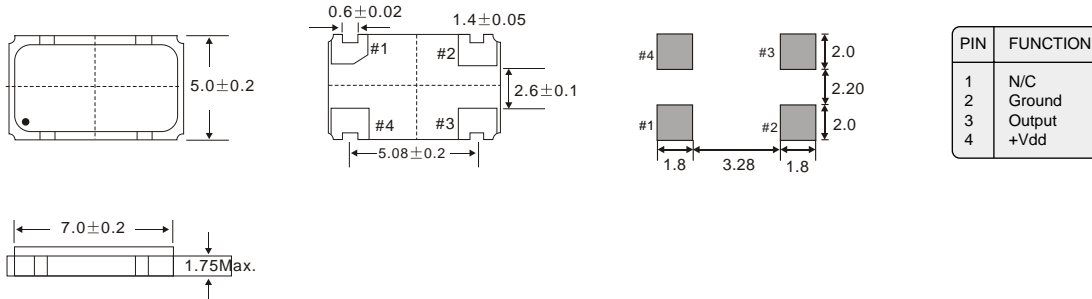
| Standart Frequencies in MHz | | | |
|-----------------------------|----------|----------|-----------|
| 1.84320 | 11.05920 | 27.00000 | 54.00000 |
| 2.00000 | 12.00000 | 29.49120 | 60.00000 |
| 3.68640 | 14.31818 | 30.00000 | 64.00000 |
| 4.00000 | 16.00000 | 32.76800 | 66.66600 |
| 5.00000 | 16.38400 | 33.86880 | 70.00000 |
| 6.14400 | 18.43200 | 36.86400 | 80.00000 |
| 7.37280 | 20.00000 | 40.00000 | 100.00000 |
| 8.00000 | 24.00000 | 44.23680 | 106.25000 |
| 9.60000 | 24.57600 | 48.00000 | 125.00000 |
| 10.00000 | 25.00000 | 50.00000 | |

Other frequencies available. Please consult our sales office.

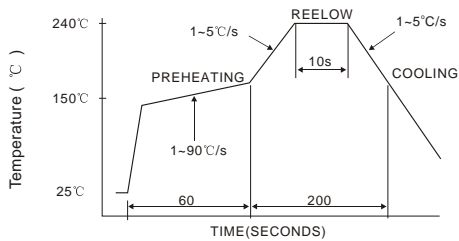
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Surface Mount, dimension (mm)



Soldering Reflow Profile



Package

Standart package in T/R: 1000pcs/Reel,
2 Reel/box, 5 box/carton

Part Number Guide

| Model | Type | Frequency, MHz | Voltage, V | Frequency Stability, ppm | Pulling, Ppm | Op Temp Range, °C | Tri-state |
|-------|-----------|----------------|--------------|--------------------------|--|--|-------------------|
| SOC | 0705 | 25.120 | T = 5.0 TTL | A = ±10 | A = 100 B = 50 C = 150 S = 75 | 1 = 0 ~ +70 2 = -10 ~ +60 3 = -20 ~ +70 4 = -20 ~ +80 5 = -40 ~ +85 6 = -40 ~ +105 0 = other | T = Yes N = No |
| | | | C = 5.0 CMOS | B = ±15 | | | |
| | | | L = 3.3 | C = ±20 | | | |
| | | | TTL&CMOS | D = ±25 | | | |
| | | | A = 3.3 | E = ±30 | | | |
| | | | ACMOS/LSTTL | F = ±50 | | | |
| | | | | G = ±100 | | | |
| | O = other | | | | | | |