



Features

- High precision characteristic covering up to wide frequency range.
- Supply voltage: 1.8V~5.0V.
- 3-state function.
- Automatic mounting and reflow soldering.
- Applications: Wireless communication, FC-HBA, PC, LCDM, Server, SONET, Telecommunications, etc.
- High stability, low jitter, low power consumption.



Electrical Specifications

| Type | SMD 7050 CRYSTAL OSCILLATOR | |
|-----------------------------|----------------------------------|------------------|
| Output Type | CMOS | |
| Output Load | 15pF | 15pF, 30pF |
| Oscillation Mode | Fundamental / 3rd Overtone | |
| Supply Voltage | 1.8V | 2.5V, 2.8V, 3.3V |
| Frequency Range | 1MHz~170MHz | |
| Frequency Stability | ±20ppm, ±25ppm | |
| Operating Temperature Range | -20~+70°C, -40~+85°C, or specify | |
| Storage Temperature Range | -55~+125°C | |
| Voltage Vol(Max)/Voh(Min) | 0.1VDD / 0.9VDD | |
| Rise (Tr)/Fall(Tf) Time | 8ns Max | |
| Supply Current | 20mA Max. | |
| Symmetry | 40~55%, 40~60% | |
| Start-up Time | 5ms Max | |
| Phase Jitter(12kHz~20MHz) | 1ps Max | |
| Aging(at 25°C) | ±3ppm/year Max | |

Ordering Information

| KOC7050 | 001M | 15 | 33 | 25 | A | |
|--------------|-------------------------|------------------------|---------------------------|---|---|--|
| Product Code | Frequency Range 1MHz | Output Load 15=15pF | Supply Voltage 33=3.3V | Frequency Stability 20=±20ppm 25=±25ppm | Operating Temperature | |
| | | | | | A:-20~+70°C B:-10~+70°C C:-40~+85°C | D:-40~+125°C E:-10~+60°C F:-30~+70°C |

Dimension

Units:mm

