

SMD 7050 Crystal Oscillator



Size: 7.0×5.0×1.30 mm

6N Series SMD Crystal Oscillator

Features

- Package size: 7.0×5.0×1.3mm.
- 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.
- RoHS Compliant / Pb-Free.



Electrical Specifications

| Item /Type | 6N (SMD 7050 Crystal Oscillator) | | |
|---------------------------------|----------------------------------|------------------|------------|
| Output Type | CMOS | | |
| Output Load | 15pF | 15pF, 30pF | 15pF, 50pF |
| Oscillation Mode | Fundamental / 3rd Overtone | | |
| Supply Voltage | 1.8V | 2.5V, 2.8V, 3.3V | 5.0V |
| Frequency Range | 1 ~ 170 MHz | | |
| 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. | | |

Dimensions

Units:mm

