

# 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

