

SMD 2016 Crystal Oscillator



Size: 2.0×1.6×0.75 mm

1N Series SMD Crystal Oscillator

Features

- 2016 size, 0.75mm high, extremely small SMD seam sealed clock oscillator unit.
- Low voltage operation.
- Available frequency range: 4MHz ~54MHz
- 2-state function.
- Automatic mounting and reflow soldering.
- High reliable environmental performance.
- Applications: GPS, WiMax, Cellular, Wireless communications, Smart Phone, etc.
- Low current consumption.
- RoHS Compliant / Pb-Free.

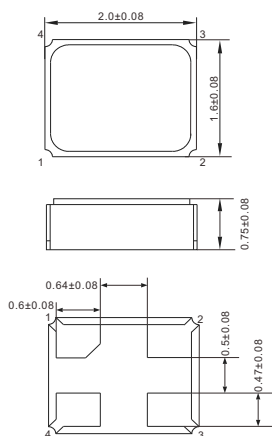


Electrical Specifications

Item /Type	1N (SMD 2016 Crystal Oscillator)
Output Type	CMOS
Output Load	15pF, or specify
Oscillation Mode	Fundamental
Supply Voltage	3.3V (1.8V, 2.5V available)
Frequency Range	4 ~ 54 MHz
Frequency stability	±25ppm, ±50ppm
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	5ns Max.
Supply Current	5mA Max.
Symmetry	45~55%
Start-up Time	5ms Max.
Phase Jitter (12KHz~20MHz)	1ps Max.
Aging (at 25°C)	±3ppm/Year Max.

Dimensions

Units:mm



PAD FUNCTION:

- 1: ENABLE CONTROL
- 2: GND
- 3: OUT
- 4: VDD

