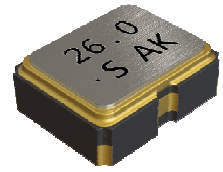


CRYSTAL OSCILLATOR

OSC95 Low Phase Jitter



Applications

- Data centers / Gbits / Ethernet
- Optical modules/ Internet of Things
- 5G network infrastructure/ Servers

Features

- Small ceramic package / Dimensions (2.5* 2.0 *0.95)
- Low Phase Jitter
Jitter 60 fs max @12KHz to 20MHz

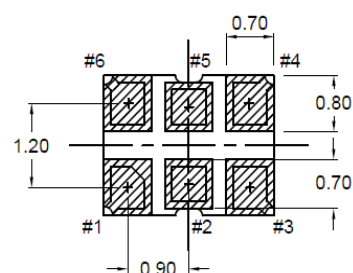
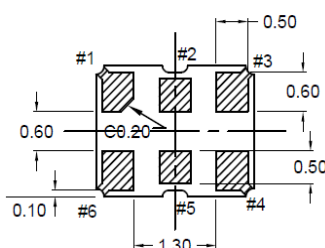
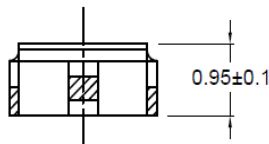
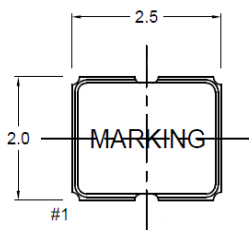
Specifications



| Model | OSC95 |
|-----------------------------|---------------------------------------|
| Nominal frequency | 31.25~160.0MHz |
| Storage temperature range | -55 ~ +125 °C |
| Operating temperature range | -40 ~ +85 °C |
| Frequency stability | ±50ppm / ±100ppm |
| Power supply voltage | 1.8V, 2.5V, 3.3V DC±10% |
| Current consumption | 25 mA max. |
| Output level | LVDS |
| Output Load | 100 Ω (OUT-OUTN) |
| Output voltage level | VOL: 1.6 V max. / VOH: 0.9 V min. |
| Rise & Fall time | 0.5ns max.@20%Vopp ~ 80%Vopp |
| Duty cycle | 45%~55% at 50%Vopp |
| Start-up time | 5ms @90%VDD |
| Phase Jitter | 60 fs max.@12KHz to 20MHz (156.25MHz) |
| Jitter | 5 ps max.@RMS Jitter |

Package quantity : 3,000pcs max./Reel

Outline and Dimensions [unit: mm]



| Terminal | Connection |
|----------|------------|
| #1 | Tri-state |
| #2 | NC |
| #3 | GND |
| #4 | OUT |
| #5 | OUTN |
| #6 | Vcc |
| #a, #b | NO CONNECT |

| Tri-state Function | |
|--------------------|--------------|
| Tri-state pin | Output |
| High or Floating | Active |
| Low | Hi-Impedance |