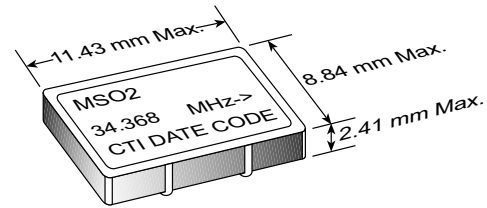


5V 9x11mm Surface Mount Crystal Clock Oscillators

- TTL/CMOS Compatible
- Tri-State Feature for Auto Test Systems
- Anti-Static Tube or Tape & Reel Packaging
- 1.5 to 40 MHz Frequency Range
- ±20ppm Stability 0°C to 70°C
- ±32ppm Stability -40°C to 85°C
- 40/60% Symmetry Standard
- 45/55% Symmetry Available
- Seam Sealed, Resistance Welded Package



ELECTRICAL SPECIFICATIONS

| MODEL | MSO2 |
|--|---|
| Frequency Range (MHz) | 1.5 to 40 |
| Frequency Stability (ppm) | |
| Overall (Typical) | Inclusive of calibration, temperature, voltage, load, shock, vibration, aging |
| 0°C to 70°C | ±20 |
| -40°C to +85°C | ±32 |
| Temperature Range (°C) | |
| Operating | -40°C to +85°C |
| Storage | -55°C to +125°C |
| Supply Voltage (V) | +5.0 ±1% |
| Input Current (µA) | < 26 @ 4 MHz |
| Symmetry (%) TTL/CMOS | 40/60 |
| T _R and T _F (ns) | < 5 |
| “0” Level (V _{OL}) | 0.5V max. @ I _{OL} = 16mA |
| “1” Level (V _{OH}) | VCC-0.4V min. @ I _{OH} = -1mA |
| Load | 10TTL/CMOS Compatible |
| Start up Time (ms) | < 5 |

OBSOLETE

PART NUMBERING GUIDE

MSO2 XX - Specify Frequency

 “Blank” = 0°C to 70°C Operating Temp.

 “M” = -40°C to +85°C Operating Temp.

 “Blank” = TTL/CMOS 40%/60%

 “C” = CMOS 45%/55%

 “T” = TTL 45%/55%

