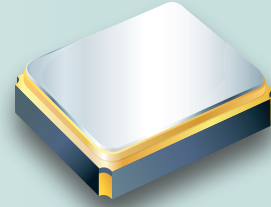


SMD Crystal Oscillators- CMOS Output 2.0 x 1.6 x 0.75 mm 8N Series

Features

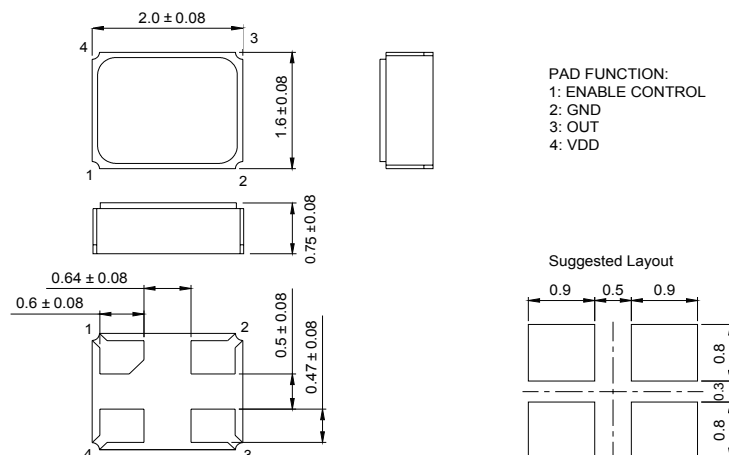
- Extremely small SMD seam sealed clock oscillator unit.
- Application for smart phone, sip module, variety of compact portable consumer products.
- Tri-state function available.
- High reliable environmental performance.
- RoHS Compliant / Pb Free.



Electrical Specifications

| Item / Type | 8N |
|-------------------------------------|-----------------------------------|
| Output Type | CMOS |
| Output Load | 15 pF , or specify |
| Oscillation Mode | Fundamental |
| Supply Voltage | 3.3 V (1.8 V , 2.5 V available) |
| Frequency Range | 4 ~ 54 MHz |
| Frequency Stability | ± 25 ppm , ± 50 ppm |
| Operating Temperature Range | - 20 ~ + 70 °C , or specify |
| Storage Temperature Range | - 55 ~ + 125 °C |
| Voltage Vol (Max.) / Voh (Min.) | 0.1 VDD / 0.9 VDD |
| Rise (Tr) / Fall (Tf) Time | 5 ns Max. |
| Supply Current | 5 mA Max. |
| Symmetry | 45 ~ 55 % |
| Start-up Time | 5 ms Max. |
| Phase Jitter (12 KHz ~ 20 MHz) | 1 ps Max. |
| Aging (at 25 °C) | ± 3 ppm / year Max. |

Dimensions



Units: mm