

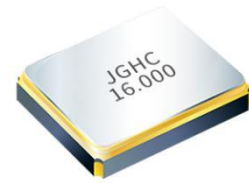
SMD Seam Sealing Crystals

2.0x1.6x0.5mm AS21 Series



Features

- Reliable seam sealed ceramic package.
- Wide operating temperature range.
- Superior and reliable performance in harsh environment.
- Application: TPMS, ECM, ABS and sensor modules.
- RoHS Compliant / Pb Free.



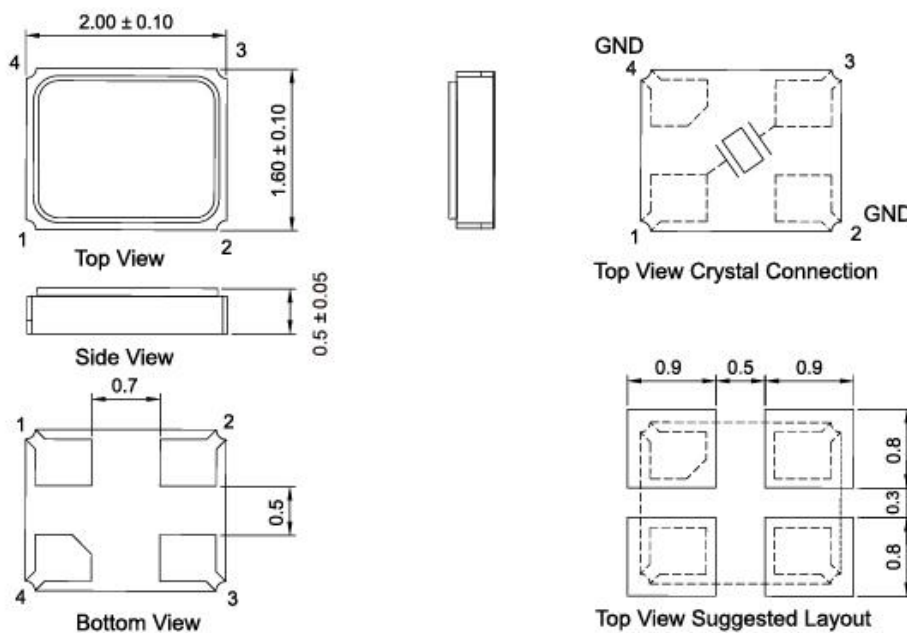
Crystals specifications

| ITEMS/TYPE | AS21 |
|--|------------------------------|
| Frequency Range | 16~54MHz |
| Vibration Mode | Fundamental |
| Load Capacitance | 8pF, 10pF, 12pF, or specify |
| Frequency Tolerance (at 25°C) | ±20ppm, or specify |
| Frequency Stability Over Operating Temperature Range | ±150ppm Max. |
| Operating Temperature Range | -40~+125°C, or specify |
| Drive Level | 1~200µW Max. (100µW typical) |
| Storage Temperature Range | -40~+125°C |
| Reliability Standard | AEC-Q200 |
| Packing Unit | 1,000pcs/Reel |

Equivalent Series Resistance(ESR)

| Fundamental | |
|-------------|------------|
| 16~19.2MHz | 200 Ω Max. |
| 19.2~30MHz | 100 Ω Max. |
| 30~54MHz | 80 Ω Max. |

Dimensions and patterns(unit:mm)



Units:mm