

CRYSTAL UNITS

Automotive Grade

 ACTUAL SIZE:

CXAF-025000-3F12D41

CERAMIC PACKAGE



APPLICATIONS

- ▶ Camera
- ▶ TPMS
- ▶ AVM

FEATURES

- ▶ Seam Seal
- ▶ Excellent Solderability
- ▶ Excellent Vibration Resistance & Shock Resistance
- ▶ High Frequency Stability
- ▶ Excellent Thermal Hysteresis
- ▶ RoHS Compliant
- ▶ IATF-16949 Certified
- ▶ AEC-Q200 Qualified

Specification

MODEL

| | | | |
|-------------------------------------|--------|---|--------------|
| DIMENSION | (mm) | 3.20 X 2.50 | |
| FREQUENCY | | | |
| FREQUENCY RANGE (Fundamental) | MHz | 8.000 ~ 64.000 | |
| FREQUENCY RANGE (3rd Overtone) | MHz | 60.000 ~ 156.250 | |
| FREQUENCY TOLERANCE (25°C) | ppm | ± 10 ~ ± 100 | |
| FREQUENCY STABILITY (Ref to 25°C) | ppm | ± 20 ~ ± 100 | ± 50 ~ ± 100 |
| ENVIRONMENTAL CONDITION | | | |
| OPERATING TEMPERATURE RANGE | °C | - 40 ~ + 85 Or - 40 ~ + 125 | - 55 ~ + 125 |
| STORAGE TEMPERATURE RANGE | °C | - 55 ~ + 150 | |
| AGING / YEAR | ppm | ± 3 | |
| ELECTRICAL SPECIFICATIONS | | | |
| TEST CIRCUIT | | S&A 250B With π Fixture | |
| LOAD CAPACITANCE | pF | SERIES, 6pF to 47pF, or Specify | |
| DRIVE LEVEL | uW | 15, 30, 50, 100, 200 or special requirement | |
| EQUIVALENT SERIES RESISTANCE | Ω | See Table | |
| SHUNT CAPACITANCE | pF | 3.0 Max. | |

*Specification subject to change without notice.

Equivalent Series Resistance (Ω)

| Frequency Range | Mode of Operation | ESR |
|-------------------|-------------------|-----------|
| 8.000 ~ 9.999 | Fundamental | 300Ω Max. |
| 10.000 ~ 11.999 | Fundamental | 150Ω Max. |
| 12.000 ~ 15.999 | Fundamental | 80Ω Max. |
| 16.000 ~ 19.999 | Fundamental | 60Ω Max. |
| 20.000 ~ 24.999 | Fundamental | 50Ω Max. |
| 25.000 ~ 39.999 | Fundamental | 40Ω Max. |
| 40.000 ~ 64.000 | Fundamental | 30Ω Max. |
| 60.000 ~ 124.999 | 3rd Overtone | 100Ω Max. |
| 125.000 ~ 156.250 | 3rd Overtone | 80Ω Max. |

Dimension(mm)

