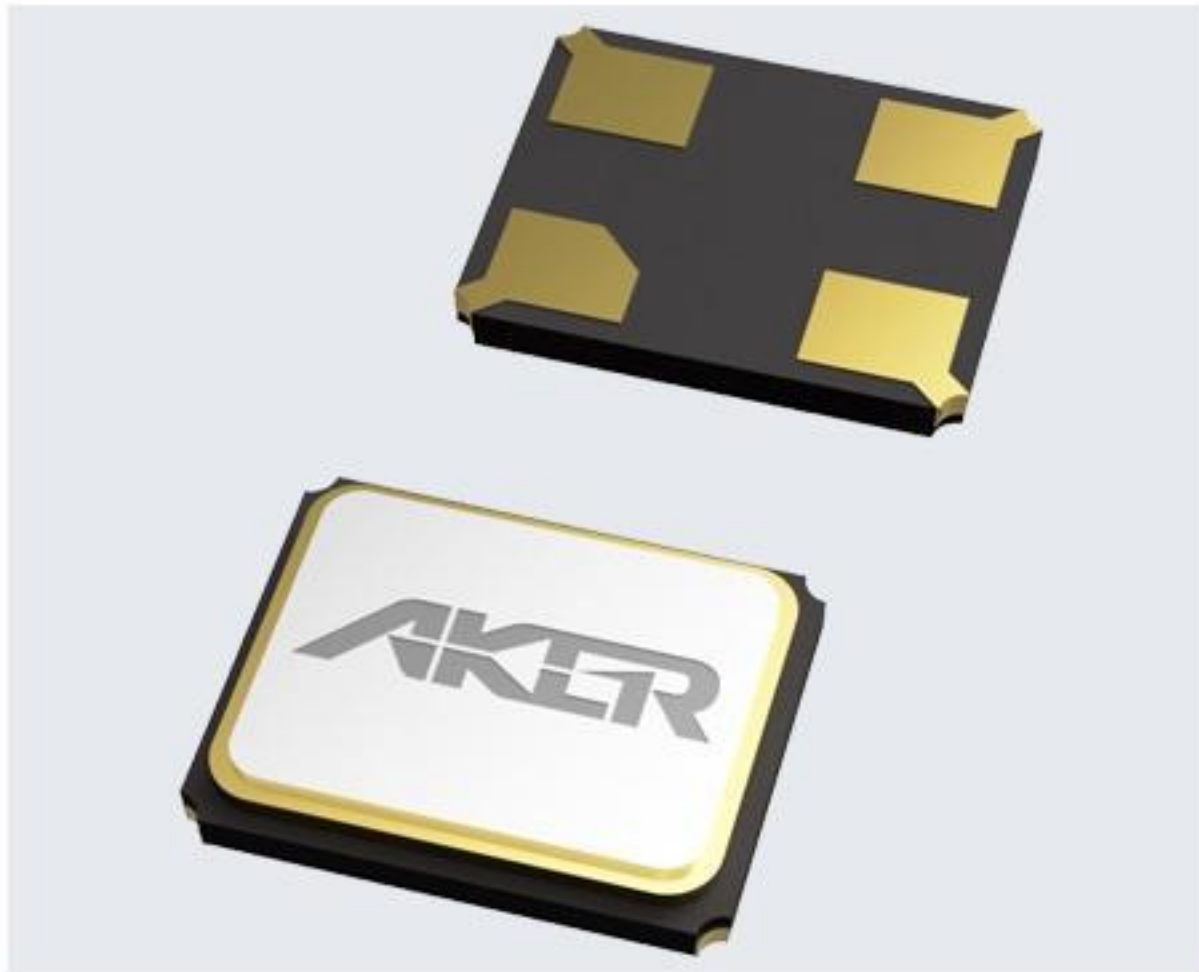


## CRYSTAL UNITS

ACTUAL SIZE: □

CXAN-032000-AF10X41

CERAMIC PACKAGE



## APPLICATIONS

- ▶ DVR
- ▶ Camera
- ▶ Medical
- ▶ Industry Control
- ▶ Wireless
- ▶ Communication
- ▶ Telecom
- ▶ IoT

## FEATURES

- ▶ Seam Seal
- ▶ Excellent Solderability
- ▶ Excellent Vibration Resistance & Shock Resistance
- ▶ High Frequency Stability
- ▶ Excellent Thermal Hysteresis
- ▶ RoHS Compliant

## Specification

## MODEL

|                                     |        |                                                     |              |
|-------------------------------------|--------|-----------------------------------------------------|--------------|
| DIMENSION                           | ( mm ) | 2.00 X 1.60                                         |              |
| FREQUENCY                           |        |                                                     |              |
| FREQUENCY RANGE ( Fundamental )     | MHz    | 16.000 ~ 96.000                                     |              |
| FREQUENCY RANGE ( 3rd Overtone )    | MHz    | 100.000 ~ 125.000                                   |              |
| FREQUENCY TOLERANCE ( 25°C )        | ppm    | ± 10 ~ ±100                                         |              |
| FREQUENCY STABILITY ( Ref to 25°C ) | ppm    | ± 15 ~ ± 100                                        | ± 50 ~ ± 100 |
| ENVIRONMENTAL CONDITION             |        |                                                     |              |
| OPERATING TEMPERATURE RANGE         | °C     | - 20 ~ + 70 Or Specify ( - 40 ~ + 125 is available) | - 55 ~ + 125 |
| STORAGE TEMPERATURE RANGE           | °C     | - 55 ~ + 125                                        |              |
| 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     | 2.0 Max.                                            |              |

\*Specification subject to change without notice.

Equivalent Series Resistance (  $\Omega$  )

| Frequency Range   | Mode of Operation | ESR               |
|-------------------|-------------------|-------------------|
| 16.000 ~ 19.199   | Fundamental       | 150 $\Omega$ Max. |
| 19.200 ~ 21.999   | Fundamental       | 100 $\Omega$ Max. |
| 22.000 ~ 35.999   | Fundamental       | 80 $\Omega$ Max.  |
| 36.000 ~ 96.000   | Fundamental       | 60 $\Omega$ Max.  |
| 100.000 ~ 125.000 | 3rd Overtone      | 120 $\Omega$ Max. |

## Dimension(mm)

