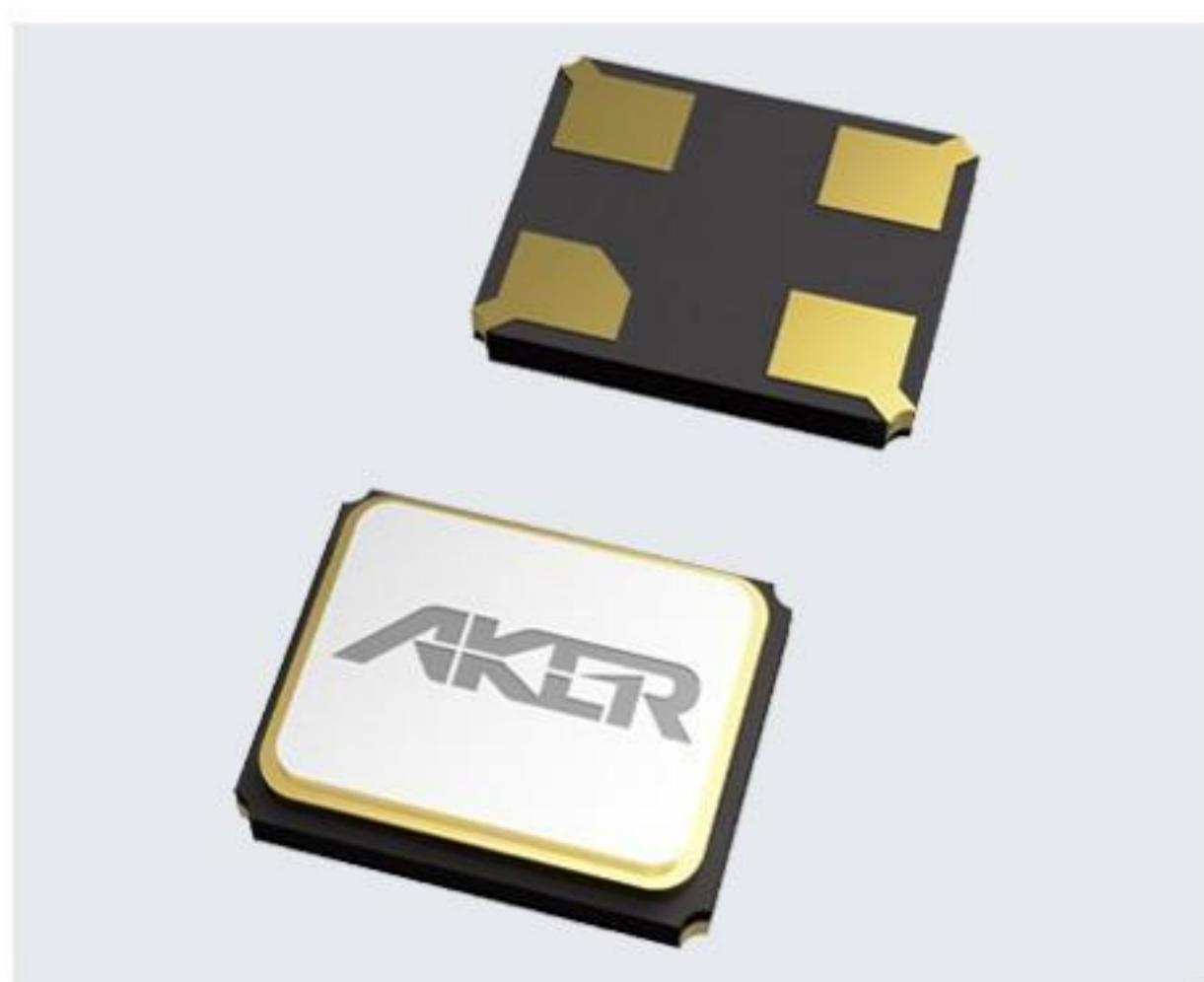


# CRYSTAL UNITS

Automotive Grade

CXAF-016000

CERAMIC PACKAGE

ACTUAL SIZE: 

## APPLICATIONS

- ▶ Camera
- ▶ TPMS
- ▶ Bluetooth

## 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 )	2.00 X 1.60
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### 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	± 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 $\pi$ Fixture
LOAD CAPACITANCE	pF	SERIES, 6pF to 47pF, or Specify
DRIVE LEVEL	uW	15, 30, 50, 100, 200 or special requirement
EQUIVALENT SERIES RESISTANCE	$\Omega$	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	150Ω Max.
19.200 ~ 21.999	Fundamental	100Ω Max.
22.000 ~ 35.999	Fundamental	80Ω Max.
36.000 ~ 96.000	Fundamental	60Ω Max.
100.000 ~ 125.000	3rd Overtone	120Ω Max.

## Dimension(mm)

CXAF-016000

