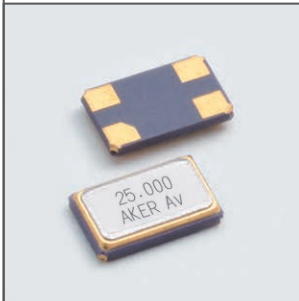


CRYSTAL UNITS- Automotive Grade



CXF-421 SERIES

CERAMIC PACKAGE

Applications

- Camera
- TPMS
- RKE
- AVM

Features

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

• Actual Size:

Specification

MODEL

DIMENSION	(mm)	4.00 x 2.50
FREQUENCY		
FREQUENCY RANGE (Fundamental)	MHz	12.000 ~ 52.000
FREQUENCY TOLERANCE (25°C)	ppm	± 10 ~ ± 100
FREQUENCY STABILITY (Ref to 25°C)	ppm	± 20 ~ ± 100
ENVIRONMENTAL CONDITION		
OPERATING TEMPERATURE RANGE	°C	- 40 ~ + 85 or - 40 ~ + 125
STORAGE TEMPERATURE RANGE	°C	- 55 ~ + 150
AGING / YEAR	ppm	± 3
ELECTRICAL SPECIFICATIONS		
TEST CIRCUIT		S&A 350A With π Fixture
LOAD CAPACITANCE	pF	SERIES, 6pF to 47pF, or Specify
DRIVE LEVEL	μ W	15, 30, 50, 100, 200, 500 or special requirement
EQUIVALENT SERIES RESISTANCE	Ω	See Table
SHUNT CAPACITANCE	pF	5.0 (Max.)

Equivalent Series Resistance (Ω)

Frequency Range	Mode of Operation	ESR
12.000 ~ 15.000	Fundamental	80 Ω Max.
15.001 ~ 20.000	Fundamental	60 Ω Max.
20.001 ~ 30.000	Fundamental	40 Ω Max.
30.001 ~ 52.000	Fundamental	30 Ω Max.

Dimension(mm)

CXF-421

