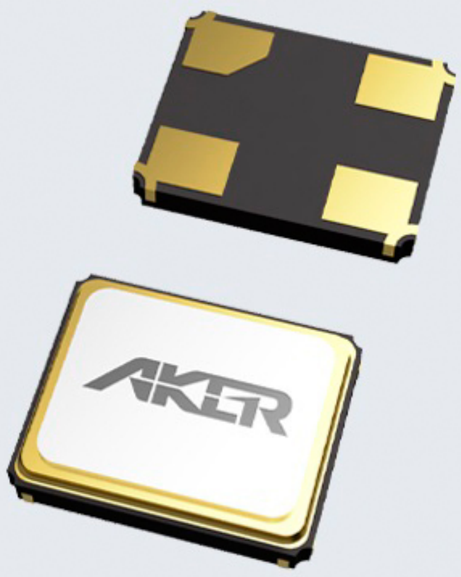
ACCURATE KINETIC ENERGY

CRYSTAL UNITS

Automotive Grade

ACTUAL SIZE: □

CXAF-027000-2F10D40 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)**	2.50 X 2.00	
FREQUENCY			
FREQUENCY RANGE (Fundamental)	**MHz**	12.000 ~ 66.999	
FREQUENCY RANGE (3rd Overtone)	**MHz**	67.000 ~ 133.000	
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 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 (Ω)

Frequency Range	Mode of Operation	ESR
12.000 ~ 15.999	Fundamental	150Ω Max.
16.000 ~ 19.999	Fundamental	80Ω Max.
20.000 ~ 24.999	Fundamental	60Ω Max.
25.000 ~ 29.999	Fundamental	50Ω Max.
30.000 ~ 34.999	Fundamental	45Ω Max.
35.000 ~ 66.999	Fundamental	40Ω Max.
67.000 ~ 133.000	3rd Overtone	100Ω Max.

Dimension(mm)

