

CRYSTAL UNITS

Automotive Grade

ACTUAL SIZE:

CXAF-751 SERIES CERAMIC PACKAGE



APPLICATIONS

- ▶ ECU
- ▶ Multi Media
- ▶ DVR

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)	7.00 X 5.00	
FREQUENCY			
FREQUENCY RANGE (Fundamental)	MHz	6.000 ~ 50.000	
FREQUENCY RANGE (3rd Overtone)	MHz	40.000 ~ 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	7.0 Max.	

*Specification subject to change without notice.

Equivalent Series Resistance (Ω)

Frequency Range	Mode of Operation	ESR
6.000 ~ 7.999	Fundamental	70Ω Max.
8.000 ~ 9.999	Fundamental	40Ω Max.
10.000 ~ 11.999	Fundamental	35Ω Max.
12.000 ~ 19.999	Fundamental	30Ω Max.
20.000 ~ 39.999	Fundamental	25Ω Max.
40.000 ~ 50.000	Fundamental	20Ω Max.
40.000 ~ 51.999	3rd Overtone	70Ω Max.
52.000 ~ 79.999	3rd Overtone	65Ω Max.
80.000 ~ 156.250	3rd Overtone	60Ω Max.

Dimension(mm)

CXAF-751 SERIES

