

● FEATURE

- Seam welding
- Excellent solderability
- High frequency stability
- Excellent thermal hysteresis
- Excellent vibration resistance & shock resistance
- RoHS compliance

● SPECIFICATION

MODEL	KXA-421	KXA-321	KXA-221
DIMENSION(mm)	4x2.5	3.2x2.5	2.5x2.0
1.FREQUENCY			
FREQ RANGE(Fundamental)	12.000~52.000MHz		16.000~52.000MHz
FREQ TOLERANCE(25°C)	± 10~ 50ppm		
FREQ STABILITY(Ref to 25°C)	※ see table2		
2.ENVIRONMENTAL CONDITION			
OPERATING TEMP RANGE	-40°C~+85°C by customer requirement		
STORAGE TEMP RANGE	-55°C~+125°C		
AGING	±1ppm , ±2ppm , ±3ppm/Year		±5ppm/Year
3.ELECTRICAL SPECIFICATIONS			
TEST CIRCUIT	S&A 350A With π Fixture		
LOAD CAPACITANCE	Series, 8pF, 9pF, 12pF, 16pF, 18pF, 20pF, or special requirement		
DRIVE LEVEL	10 μ W, 30 μ W, 100 μ W, 500 μ W or special requirement		
EQUIVALENT SERIES RESISTANCE	※ see table1		
SHUNT CAPACITANCE	5.0pF (Max.)		

● EQUIVALENT SERIES RESISTANCE (Ω)

TABLE 1

FREQUENCY(MHz)	MODE	KXA-421	KXA-321	KXA-221
10.01~12.00	Fundamental	80 Ω	-	-
12.01~15.00	Fundamental	80 Ω	-	-
15.01~20.00	Fundamental	60 Ω	-	-
20.01~30.00	Fundamental	40 Ω	-	-
30.01~40.00	Fundamental	30 Ω	-	-
40.01~52.00	Fundamental	30 Ω	-	-
12.000~29.999	Fundamental		100 Ω	100 Ω
30.000~52.000	Fundamental		50 Ω	50 Ω

● FREQUENCY STABILITY(Ref to 25°C)

TABLE 2

OPERATING TEMP	±10 ppm	±15 ppm	±20 ppm	±30 ppm	±50 ppm
0°C~ 50°C	○	○	○	○	○
-10°C~ 60°C	○	○	○	○	○
-20°C~ 70°C	○	○	○	○	○
-40°C~ 85°C			○	○	○