

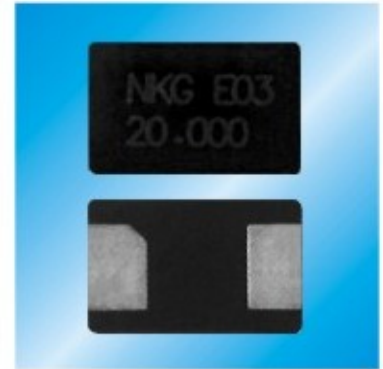
## SMD CRYSTAL UNIT CX-5CA

5.0X3.2X1.2 mm

### FEATURES

- Ultra-miniature size
- Fundamental till 54MHz
- Wide Frequency Range
- Ceramic package
- Emboss taping
- Reflow soldering

The 5CA crystal is an ultra miniature ceramic package SMD type. The height is less than 1.4mm and fundamental till 54MHz that allows it ease of circuit design. Excellent electric performance optimum for OA and AV application.



### ELECTRICAL SPECIFICATIONS

Parameter	Symb	Condition	Min	Typ	Max	Units
Frequency Range	Fo		12		54	MHz
Frequency Tolerance at 25°C	$\Delta F / F_0$	25°C	$\pm 30$	$\pm 50$	$\pm 100$	ppm
Temperature Stability	Tc	REF TO 25°C	$\pm 30$	$\pm 50$	$\pm 100$	ppm
Operating Temperature Range	TOPR		-10		+70	°C
Storage Temperature Range	TSTRG		-40		+85	°C
Shunt Capacitance	Co				7	pF
Load Capacitance	Cl	Customer Specified	8		Series	pF
Insulator Resistance	Is	100VDC	500			MΩ
Drive Level	Di		10	100	300	μW
Aging(at 25°C)	Fa	AT 25°C, per year	-5.0		+5.0	ppm

### EQUIVALENT SERIES RESISTANCE (ESR)

Frequency Range	Max ESR(Ω)	Mode
12.000MHz to 19.999MHz	80	Fundamental
20.000MHz to 29.999MHz	70	Fundamental
30.000MHz to 54.000MHz	50	Fundamental

### DIMENSIONS

Unit: mm

