

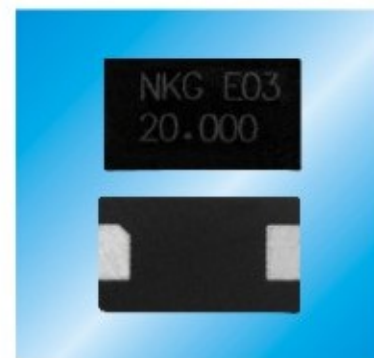
SMD CRYSTAL UNIT CX-8CA

8.0X4.5X1.6 mm

FEATURES

- Miniature size
- Wide Frequency Range
- Glass sealing
- Emboss taping

The 8CA is a miniature SMD crystal with 8X4.5 ceramic package and height of a 1.6mm max. It is widely applied in notebook computer, PCMCIA and communication equipment.



ELECTRICAL SPECIFICATIONS

Parameter	Symb	Condition	Min	Type	Max	Units
Frequency Range	F ₀		10		80	MHz
Frequency Tolerance	ΔF/F ₀	AT 25°C	±30	±50	±100	ppm
Temperature Stability	T _c	REF TO 25°C	±30	±50	±100	ppm
Operating Temperature Range	T _{OPR}		-10		+70	°C
Storage Temperature Range	T _{STG}		-40		+85	°C
Shunt Capacitance	C ₀				7	pF
Load Capacitance	C _L	Customer Specified	10		Series	pF
Insulator Resistance	I _R	100V _{DC}	500			MΩ
Drive Level	D _L			100	300	μW
Aging	F _a	AT 25°C, per year	-5.0		+5.0	ppm

EQUIVALENT SERIES RESISTANCE (ESR)

Frequency Range	Max ESR(Ω)	Mode
10.000MHz to 11.999MHz	80	Fundamental
12.000MHz to 39.999MHz	50	Fundamental
40.000MHz to 80.000MHz	70	3 rd Overtone

DIMENSIONS

Unit: mm

