

## SMD CRYSTAL UNIT CX-6CA 6.0X3.5X1.2 mm

### FEATURES

- Ultra-miniature size
- Fundamental till 40MHz
- Wide Frequency Range
- Glass Sealing
- Ceramic package
- Emboss taping
- Reflow soldering

The 6CA crystal is an ultra miniature ceramic package SMD type. The height is less than 1.2mm and fundamental till 40 MHz that allows it ease of circuit design. The main application is PCMCIA card, handsets, portable equipment and pocket LAN adapters etc.



### ELECTRICAL SPECIFICATIONS

Parameter	Symb	Condition	Min	Typ	Max	Units
Frequency Range	Fo		10.000		80.000	MHz
Frequency Tolerance	$\Delta F/Fo$	AT 25°C	+30	+50	+100	ppm
Temperature Stability	Tc	REF TO 25°C	+30	+50	+100	ppm
Operating Temperature Range	T <sub>OPR</sub>		-10*		+60*	°C
Storage Temperature Range	T <sub>STRG</sub>		-40		+85	°C
Shunt Capacitance	Co				7	pF
Load Capacitance	C <sub>L</sub>	Customer Specified	10		Series	pF
Insulator Resistance	I <sub>R</sub>	100VDC	500			MΩ
Drive Level	D <sub>L</sub>			10	100	μW
Aging	Fa	AT 25°C, per year	-5.0		+5.0	ppm

\*Operating temperature range: -20°C to +70°C option

### EQUIVALENT SERIES RESISTANCE (ESR)

Frequency Range	Max ESR(Ω)	Mode
10.000MHz to 10.999MHz	100	Fundamental
11.000MHz to 11.999MHz	80	Fundamental
12.000MHz to 15.999MHz	60	Fundamental
16.000MHz to 39.999MHz	40	Fundamental
40.000MHz to 80.000MHz	70	3 <sup>rd</sup> Overtone

### DIMENSIONS

Unit: mm

