

CRYSTAL UNITS

CXA-321 SERIES (Ceramic Package)



Applications :

- Digital Cellular Phone
- Notebook PC
- Portable PC
- GPS
- TCXO
- Bluetooth
- Digital Camera
- Wireless LAN

● Features

- Seam Seal
- Excellent Solderability
- Excellent Vibration Resistance & Shock Resistance
- High Frequency Stability
- Excellent Thermal Hysteresis
- RoHS Compliant

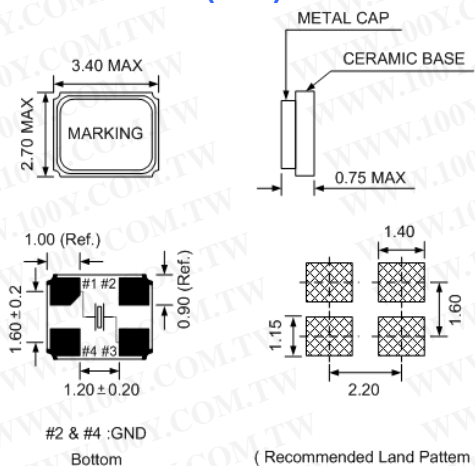
● Specification

MODEL		CXA-321
DIMENSION	(mm)	3.20 x 2.50
FREQ.		
FREQ. RANGE (Fundamental)	MHz	12.000 ~ 52.000
FREQ. TOLERANCE (25°C)	ppm	± 10 ~ ± 50
FREQ. STABILITY (Ref to 25°C)	ppm	± 15 ~ ± 100
ENVIRONMENTAL CONDITION		
OPERATING TEMP. RANGE	°C	-40~+85 by customer requirement
STORAGE TEMP. RANGE	°C	- 55 ~ + 125
AGING	ppm/Year	± 1、± 2、± 3
ELECTRICAL SPECIFICATIONS		
TEST CIRCUIT		S&A 350A With π Fixture
LOAD CAPACITANCE	pF	see table or special requirement
DRIVE LEVEL	μ W	15、30、50、100、200、500 or special requirement
EQUIVALENT SERIES RESISTANCE	Ω	see table
SHUNT CAPACITANCE	pF	5.0 (MAX)

● Equivalent Series Resistance (Ω)

FREQ(MHz)	MODE	CXA-321
12.000 ~ 29.999	Fundamental	100
30.000 ~ 52.000	Fundamental	50

● Dimension (mm)



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● Load Capacitance Instruction

CODE	CL	CODE	CL	CODE	CL	CODE	CL	CODE	CL	CODE	CL	CODE	CL	CODE	CL
0	SERIES	4	20	8	10	C	8	G	13	M	21.5	R	12.5	V	24
1	16	5	30	9	14	D	37	H	9	N	33	S	11	W	4
2	22	6	18	A	32	E	25	K	9.5	P	7	T	6	X	39
3	15	7	12	B	27	F	35	L	19.5	Q	15.5	U	8.5	Y	26

● Parts Numbering Guide

Example: CXA-016000-3D7D00

MODE	FREQUENCY	TYPE	TOLERANCE	LOAD CAPACITANCE	STABILITY	TEMPERATURE RANGE	SERIAL NUMBER
CXA	IN MHZ	3	B : ± 50 PPM X : ± 30 PPM C : ± 25 PPM D : ± 20 PPM E : ± 15 PPM F : ± 10 PPM	see table	B : ± 50 PPM X : ± 30 PPM C : ± 25 PPM D : ± 20 PPM E : ± 15 PPM*	0 : -10 °C TO +70 °C 2 : -20 °C TO +70 °C 3 : -20 °C TO +80 °C 4 : -40 °C TO +85 °C	0 ~ 9 A ~ Z