CITIZEN CITIZEN FINEDEVICE CO., LTD.

AT-cut Crystal Units

- Example Part Number

CS325S 20 000 000 A A J T – XXX

Model

HC-49/U-S
HCM49
CM309E
CS325S

Frequency

Please mention numeral of the frequency in Hz unit.

CTZ management code

It is a number to be assigned by CTZ after inquiry from a customer.

Frequency deviation (at 25℃)

Standard specification shall differ subject to frequency.

A	+/-30ppm	(STD)
B	+/-50ppm	(STD)
C	+/-100ppm	
D	+/-20ppm	
E	+/-10ppm	
F	+/-15ppm	
G	+/-25ppm	
H	+/-5ppm	
Z	others	

Package specification

T Tape and Reel (Standard package unit)
B Bulk (Without taping/ Bulk Package)

Load capacitance (CL)

A	Series	I	16.0pF	Q	10.0pF
B	6.0pF	J	18.0pF	R	50.0pF
C	9.0pF	K	20.0pF	S	11.0pF
D	9.5pF	L	22.0pF	T	14.0pF
E	12.0pF	M	25.0pF	U	17.0pF
F	12.5pF	N	30.0pF	V	8.0pF
G	13.0pF	O	32.0pF	Y	7.0pF
H	15.0pF	P	33.0pF	Z	others

Frequency-temperature characteristic (at operating temperature range)

A	+/-30ppm	(-10～+60℃) (STD)	M	+/-60ppm	(-40～+85℃)
B	+/-50ppm	(-10～+60℃) (STD)	N	+/-80ppm	(-40～+85℃)
C	+/-100ppm	(-10～+60℃)	O	+/-30ppm	(-20～+70℃)
D	+/-20ppm	(-10～+60℃)	P	+/-40ppm	(-20～+70℃)
E	+/-10ppm	(-10～+60℃)	Q	+/-50ppm	(-20～+70℃)
F	+/-30ppm	(-40～+85℃)	R	+/-60ppm	(-20～+70℃)
G	+/-50ppm	(-40～+85℃)	S	+/-70ppm	(-20～+70℃)
H	+/-100ppm	(-40～+85℃)	T	+/-80ppm	(-20～+70℃)
I	+/-20ppm	(-40～+85℃)	U	+/-80ppm	(-40～+100℃)
J	+/-10ppm	(-40～+85℃)	V	+/-100ppm	(-40～+100℃)
K	+/-150ppm	(-40～+85℃)	W	+/-150ppm	(-40～+100℃)
L	+/-200ppm	(-40～+85℃)	X	+/-200ppm	(-40～+100℃)
			Z	others	

*Shall not be available subject to the frequency.