



**THE DATASHEET OF  
CM309S33.8688MABJTR**



• Example Part Number

**CS325 20 000 000 A A J T - XXX**

**Model**  
 CSA-310  
 CSA-309  
 HC-43/U-S  
 HCM49  
 CM309S  
 CS325  
 CS325S

**Frequency**  
 Please mention numeral of the frequency in Hz unit.

**Frequency deviation (at 25°C)**  
 Standard specification shall differ subject to frequency.

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

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

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

\*Shall not be available subject to the frequency.



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