

HC-49US/USM

- Resistance welded type crystal units.
- A great number of standard frequencies .
- High frequency pullability and low equivalent series resistance.
- Lower cost and highly mass production capacity.
- The best choice of PC, STB, LCDM, and Cable Modem.



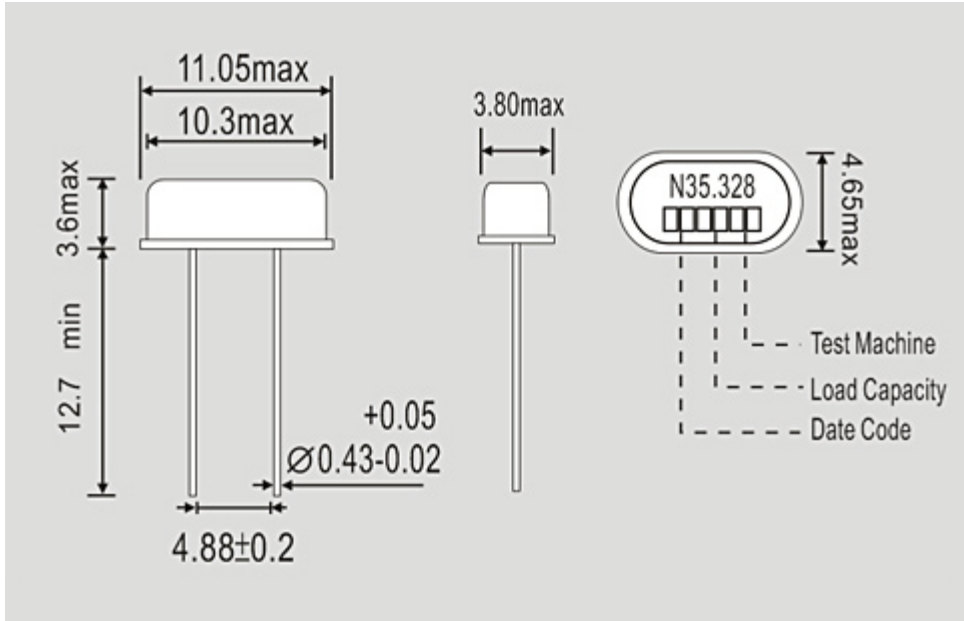
■ Electrical Specifications

Model	HC-49US
Frequency Range	3.2 ~ 90 MHz
Frequency Tolerance (at 25°C)	± 30 ppm, or specify
Frequency Stability Over Operating Temperature Range	± 30 ppm, or specify
Operating Temperature Range	-10°C ~ +60 °C, or specify
Shunt Capacitance (C0)	7 pF Max.
Drive Level	1 ~ 500 uW (100 uW typical)
Load Capacitance	Series, 16 pF, 20 pF, 30 pF, 32 pF, or specify
Aging (at 25°C)	± 3 ppm / year Max.
Storage Temperature Range	-40 ~ +85 °C

■ Equivalent Series Resistance (ESR)

Fundamental		3rd Overtone	
3.2 ~ 3.686 MHz	200 Ω Max.	27 ~ 30 MHz	100 Ω Max.
3.686 ~ 5 MHz	150 Ω Max.	30 ~ 50 MHz	80 Ω Max.
5 ~ 10 MHz	80 Ω Max.	50 ~ 90 MHz	60 Ω Max.
10 ~ 14 MHz	40 Ω Max.		
14 ~ 30 MHz	30 Ω Max.		

■ Dimensions



■ Date Code

Month

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2	3	4	5	6	7	8	9	A	B	C

Week

1st	2nd	3rd	4th
A	B	C	D

Test Machine

1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M

14	15	16	17	18	19	20	21	22	23	24	25	26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z