

DIP HC-49/S SMD SERIES

■ Features

- ⊙ Resistance welded type crystal units.
- ⊙ Two types (SL:3.0mm, S:3.8mm height) can be applied bu customer.
- ⊙ A great number of standard frequencies
- ⊙ High frequency stability and reliability.
- ⊙ High frequency pullability and low equivalent series resistance.
- ⊙ Lower cost and highly mass production capacity.
- ⊙ The best choice of PC, STB, LCDM, and Cable Modern.
- ⊙ Lead free parts.

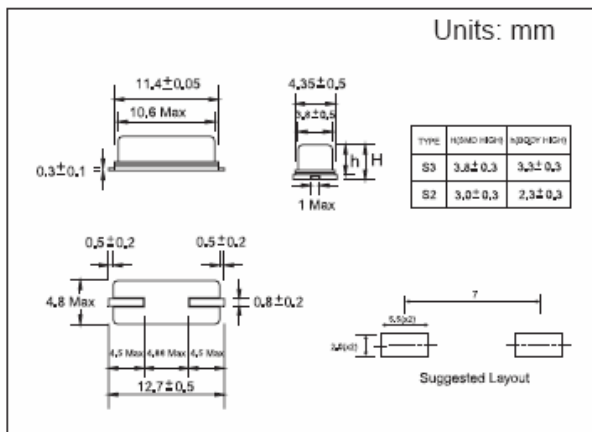
■Electrical Specifications

Item	type
Frequency Range	3.5 ~ 64MHz
Frequency Tolerance(at 25°C)	± 10ppm ~ ± 50ppm, or specify
Frequency Stability Over Operating Temperature Range	± 10ppm ~ ± 50ppm, or specify
Operating Temperature Range	-10 ~ +60°C, -20 ~ +70°C
Shunt Capacitance (C0)	7 PF Max
Drive Level	5~200 μ W (100 μ W typical)
Load Capacitance	Series,8PF,16PF,18PF,20PF,30PF, 50PF or specify
Aging (at 25°C)	± 3ppm / year Max.
Storage Temperature Range	-40 ~ +85°C

■ Equivalent Series Resistance (ESR)

Fundamental		3 rd Overtone	
3.500 ~ 4.999MHz	150 Ω Max	24.000 ~ 39.999MHz	100 Ω Max
5.000 ~ 5.999MHz	120 Ω Max	40.000 ~ 64.000 MHz	80 Ω Max
6.000 ~ 6.999MHz	100 Ω Max		
7.000 ~ 9.999MHz	80 Ω Max		
10.000 ~ 12.999MHz	70 Ω Max		
13.000~ 33.000MHz	50 Ω Max		

■ Dimensions



■ Reflow Condition

