

## DIP HC-49/S SERIES

### ■ Features

- ◎ Resistance welded type crystal units
- ◎ 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.

### ■ 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 <sup>rd</sup> 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

