## Quartz Crystals

# TXC

## DIP HC-49S 9B SERIES



### **Features**

- > Resistance welded type crystal units.
- > A great number of standard frequencies.
- > Higher frequency pullibility and lower equivalent series resistance.
- > Lower cost and highly mass production capability.
- > The best choice of TV, STB, LCDM and Cable Modem.
- > RoHS Compliant / Pb Free

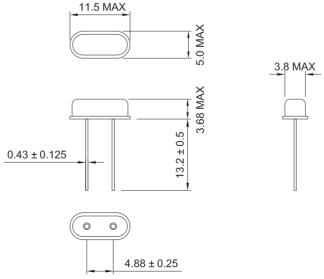
### **Electrical Specifications**

Item / Type	9B	
Frequency Range	3.2 ~ 90 MHz	
Frequency Tolerance (at 25 °C)	± 30 ppm, or specify	
Frequency Stability Over Operating Temperature Range	± 30 ppm (- 20 ~ +70 °C), or specify	
Operating Temperature Range	- 20 ~ +70 °C	
Shunt Capacitance (C0)	7 pF Max.	
Drive Level	1 ~ 500 μW (100 μW typical)	
Load Capacitance	18 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**



Units:mm

Remark: Specification subject to change without prior notice. Please confirm with our sales.

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