

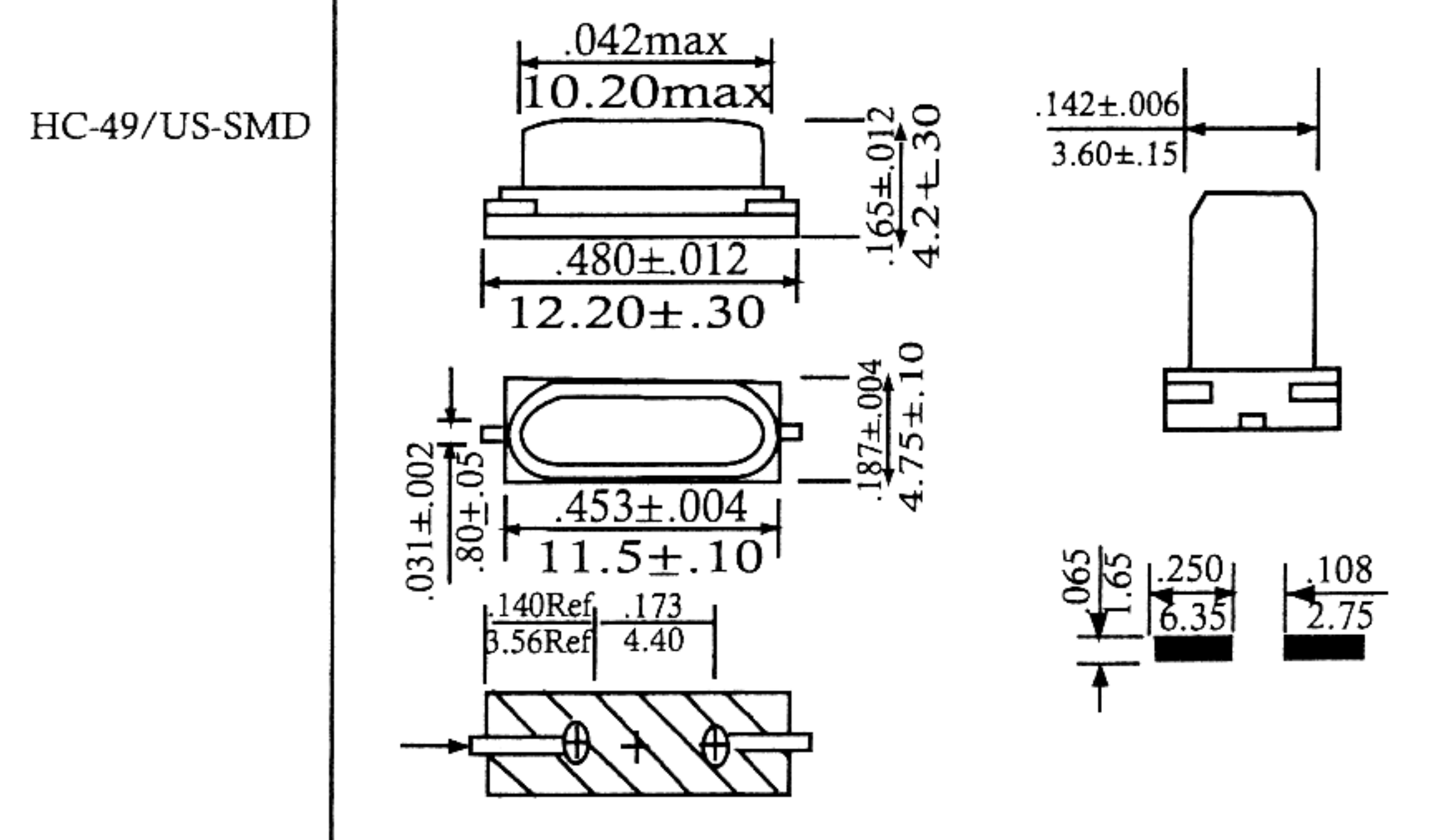
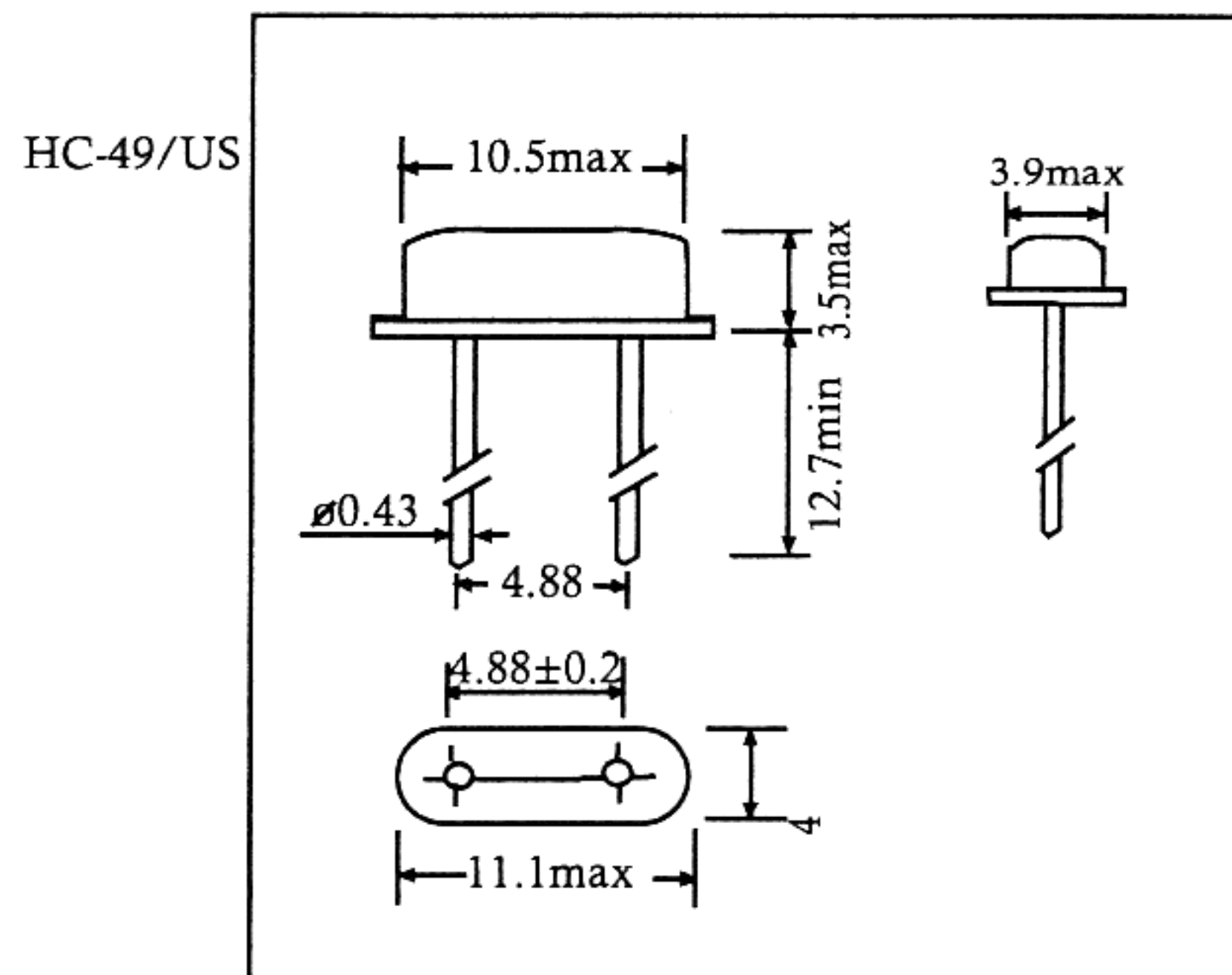
# HC-49/US, HC-49/US-SMD Quartz Crystal Resonator

## Specifications

Frequency Range	3~90MHz	Holder Type	49/S 49/SMD
Adjustment Tolerance(25°C±2°C)	±10ppm, ±15ppm ±20ppm, ±30ppm	Vibration Mode	Fund. 3rd
Load Capacitance	10pF~32pF $\infty$	Static Capacitance	5pF max
Drive Level	0.1~1mW	Aging	± 2ppm(year) ± 5ppm(year)

## Resonance Resistance

Type	Freq.Range	Mode	Rr
49S/SMD	3.5~4MHz	1	140
49S/SMD	5~6MHz	1	100
49S/SMD	7~10MHz	1	60
49S/SMD	11~24MHz	1	35
49S/SMD	24~50MHz	3	100
49S/SMD	51~90MHz	3	80



## Tolerance over Temperature Range

Temperature Range	±5ppm	±10ppm	±15ppm	±20ppm	± 30ppm	±40ppm
0°C ~ +50°C	△	△	△	△	△	△
-10°C ~ +60°C	△	△	△	△	△	△
-20°C ~ +70°C		△	△	△	△	△
-40°C ~ +85°C			△	△	△	△