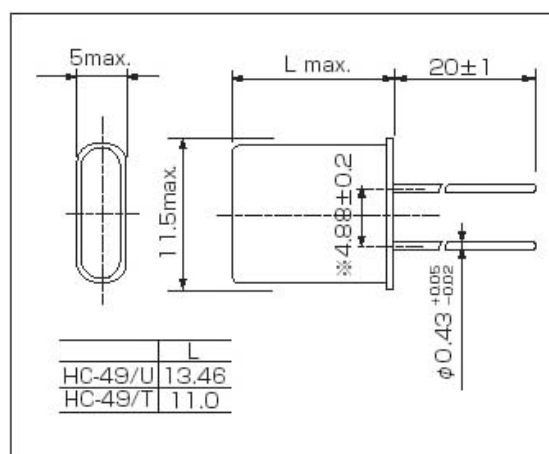


- Frequency Range
1.8~200MHz
- Vibration Mode
Thickness-shear mode (AT cut)
Fund, 3rd, 5th, 7th
- Drive Level
10μW, 50μW, 100μW, 500μW
- Load Capacitance
Series, 12pF, 16pF, 20pF, 32pF (fund.)
8pF, 10pF, 12pF, 16pF (3rd, 5th, 7th)
- Frequency Tolerance (at 25°C)
±5×10⁻⁶, ±10×10⁻⁶, ±15×10⁻⁶,
±20×10⁻⁶, ±30×10⁻⁶
- Frequency Tolerance over
Temperature (Ref. to 25°C)
±5×10⁻⁶, ±10×10⁻⁶, ±20×10⁻⁶,
±30×10⁻⁶, ±50×10⁻⁶
- Operating Temperature Range
-10°C~+60°C
- Storage Temperature Range
-30°C~+80°C
- Aging Characteristics
UM Series:
±1×10⁻⁶, ±2×10⁻⁶, ±3×10⁻⁶/
year (max.)
HC Series:
±5×10⁻⁶/year (max.)

■ Dimensions[mm]



■ Series Resistance

Type Frequency	Vibration Mode	UM-4 Ω max.	UM-5 Ω max.	UM-1 Ω max.	HC-49/T Ω max.	HC-50/T Ω max.	HC-49/U Ω max.	HC-50/U Ω max.
1.8~2.0MHz	F	-	-	-	-	-	600	600
2.0~2.4MHz	F	-	-	-	-	-	450	450
2.4~3.0MHz	F	-	-	-	-	-	350	350
3.0~3.5MHz	F	-	-	-	-	-	150	150
3.5~4.0MHz	F	-	-	-	150	150	90	90
4.0~7.0MHz	F	-	-	-	90	90	60	60
7.0~10MHz	F	-	-	-	45	45	35	35
10~15MHz	F	50	50	50	45	45	35	35
15~20MHz	F	50	50	50	25	25	25	25
20~25MHz	F/3	50/-	50/-	50	25/60	25/60	25/50	25/50
25~30MHz	F/3	50/-	50/-	50	25/40	25/40	25/40	25/40
30~75MHz	3	70	70	70	40	40	40	40
75~100MHz	3/5	70/-	70/80	70/80	-/60	-/60	-/60	-/60
100~125MHz	5	80	80	80	60	60	60	60
125~150MHz	5	100	100	100	80	80	80	80
150~200MHz	7	-	120	120	-	-	-	-

Consult our sales representative for other specifications or special specifications.