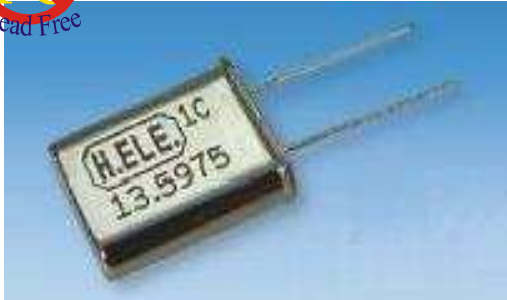


CRYSTAL RESONATOR

LEAD TYPE



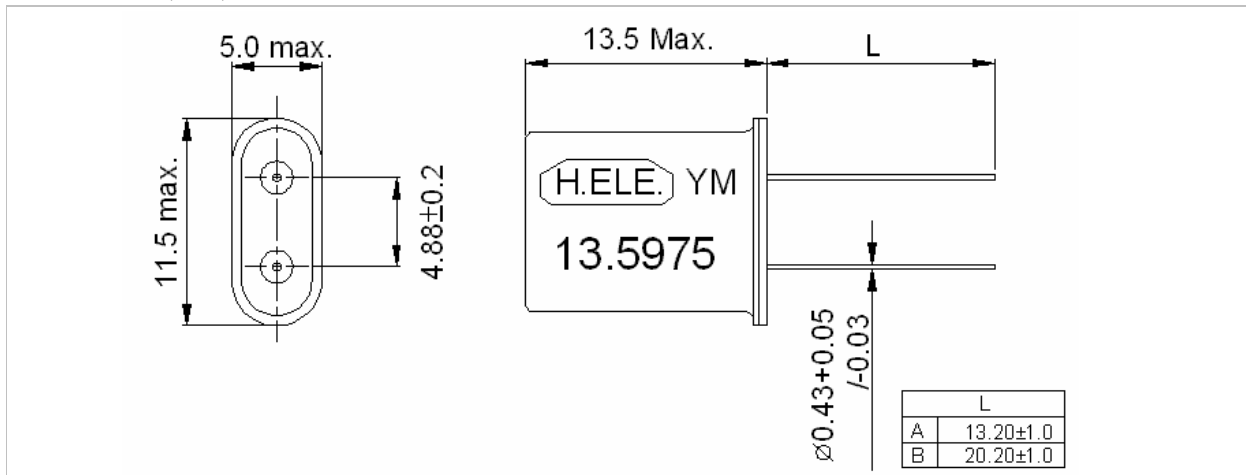
HC-49/U Series



Features:

- This series utilizes a highly reliable resistance-weld sealing which is adopted to assure high realization.
- High precision and reliability.
- Wide frequency ranges.
- Premier Industry Standard.
- Competitive cost.

Dimension (mm):



Standard Specification:

ITEM	TYPE	HC-49/U	FREQUENCY	Mode	RR/SERIES
Frequency Range		1.8 ~ 200 MHz	1.8 ~ 1.9 MHz	Fund.	650Ω Max.
Oscillation Mode		Fundamental, 3 rd , 5 th , 7 th Overtone	2.0 ~ 2.9 MHz	Fund.	350Ω Max.
Thickness Shear Mode					
Drive Level (DL)		100μW Typ, or specify	3.0 ~ 3.4 MHz	Fund.	200Ω Max.
Load Capacitance (CL)		Series, 12pF, 16pF, 20pF, 32pF (Fund.) or specify. 8pF, 10pF, 12pF, 16pF (3 rd , 5 th , 7 th) or specify.	3.5 ~ 4.0 MHz	Fund.	90Ω Max.
			4.1 ~ 6.0 MHz	Fund.	60Ω Max.
Frequency Tolerance (at 25°C)		±30ppm, ±50ppm, ±100ppm or specify	6.1 ~ 30.0MHz	Fund.	40Ω Max.
Frequency Stability Over Operating Temperature Range (Ref. to 25°C)		±30ppm, ±50ppm, ±100ppm (standard) or specify	20 ~ 25 MHz	3 rd .	50Ω Max.
			25.1 ~ 75 MHz	3 rd .	40Ω Max.
Operating Temperature Range		-10 ~ +60°C	75 ~ 125 MHz	5 th .	60Ω Max.
Storage Temperature Range		-30 ~ +80°C	125 ~ 150 MHz	5 th .	80Ω Max.
Aging (at 25°C)		±5ppm/year Max.	150 ~ 200 MHz	7 th .	120Ω Max.

*BULK PACKAGE.