

CRYSTAL RESONATOR

LEAD TYPE

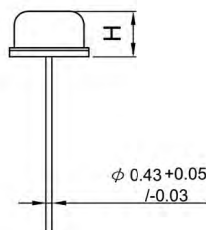
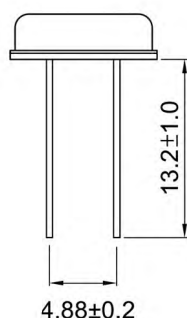
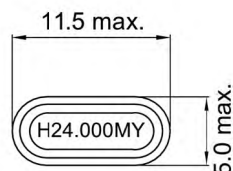
AT-49 Series



Features:

- This series applies reliable resistance-weld sealing which ensure high specification performance.
- Height can be custom designed according to customer requirement.
- High reliability against shock and vibration.
- Mature industry production history for less space-sensitive product designs.

Dimension (mm):



H: Height	
A	3.5max.
B	2.5max.

※ Lead pitch shall be measured at the root of leads.

Standard Specification:

TEM	TYPE	AT-49	FREQUENCY	Mode	RR/SERIES
Frequency Range		A	3.0 ~ 3.6 MHz	Fund.	150ΩMax.
		3.0 ~ 75 MHz			
Oscillation Mode	Thickness Shear Mode	Fundamental; 3rd Overtone	3.7 ~ 4.2 MHz	Fund.	100ΩMax.
Frequency Tolerance (at 25°C)		±10ppm, ±30ppm, ±50ppm, ±100ppm or specify	4.3 ~ 6.0 MHz	Fund.	80ΩMax.
Frequency Stability Over Operating Temperature Range (Ref. to 25°C)		±10ppm, ±30ppm, ±50ppm, ±100ppm (standard) or specify	6.1 ~ 10.0 MHz	Fund.	60ΩMax.
Operating Temperature Range		-10 ~ +60°C	10.1 ~ 14.0 MHz	Fund.	50ΩMax.
Drive Level (DL)		100μW Typ. or specify	14.1 MHz ~	Fund.	40ΩMax.
Load Capacitance (CL)		Series, 12pF, 16pF, 20pF, 32pF (Fund.) or specify. 8pF, 10pF, 12pF, 16pF(3rd) or specify.	26.0 ~ 29.0 MHz	Fund.	40ΩMax.
				3rd.	150ΩMax.
Storage Temperature Range		-30 ~ +80°C	29.1 ~ 40.0 MHz	Fund.	40ΩMax.
				3rd.	100ΩMax.
Aging (at 25°C)		±5ppm/year Max.	40.1 ~ 75.0 MHz	3rd.	80ΩMax.

*BULK PACKAGE.

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