

CRYSTAL UNITS FOR CAR ELECTRONICS (AT-51 SERIES)

These crystal units are ideally suited for clock signal generating sources for CPUs for power trains and safety control devices requiring extremely high reliability as an electronic part used in a car.

■ Features

- High stability under strict conditions in terms of stable start-up characteristics, heat resistance, thermo-cycle resistance and vibration resistance.
For further details, please contact us.
- Surface mount crystal unit that retains high-level electrical characteristics and reliability due to the resin seating attached to the AT-51 type crystal unit.



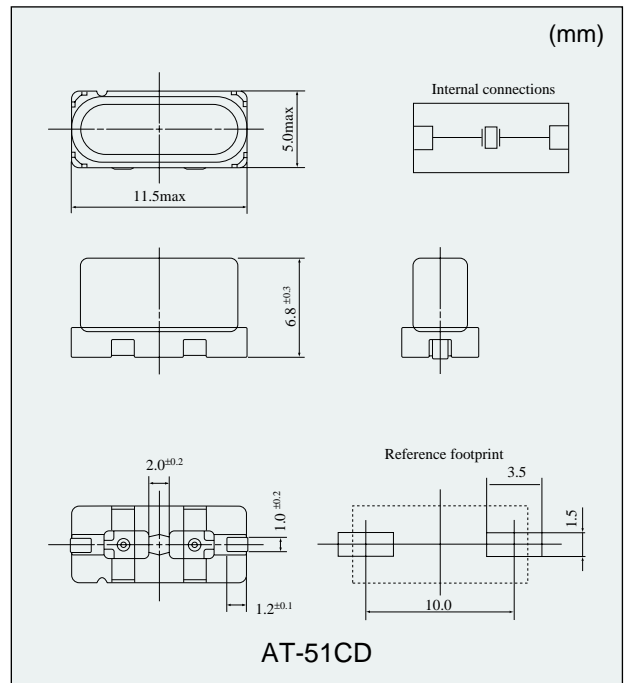
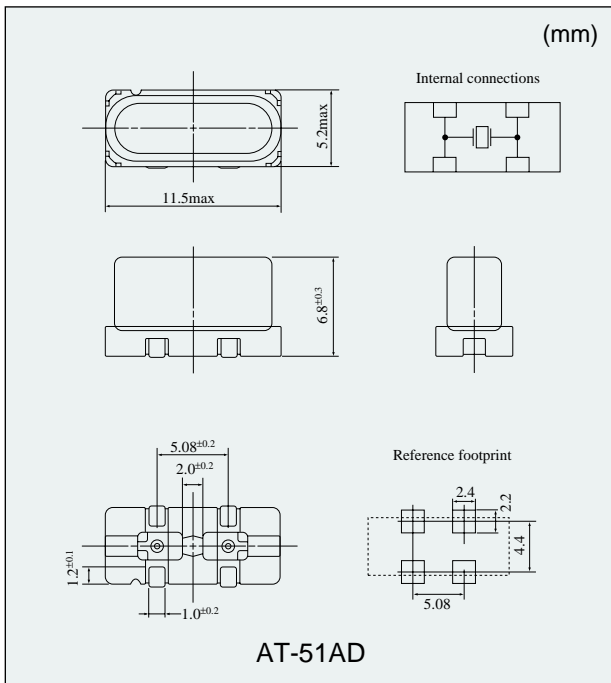
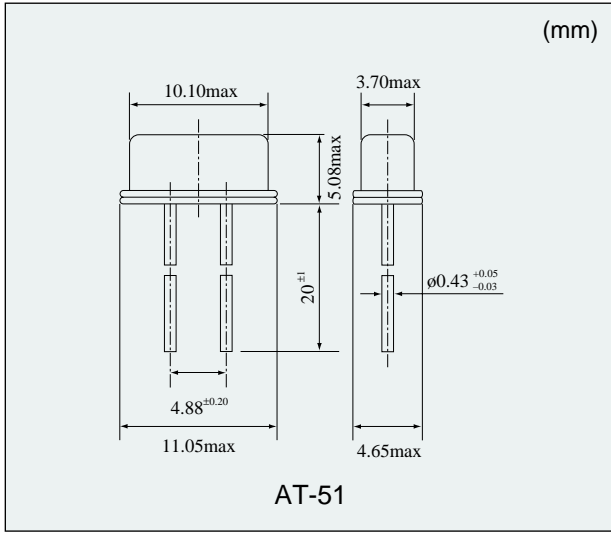
■ Specification

Type	AT-51 SERIES	
	Nominal Frequency (MHz)	Equivalent Series Resistance (Ω)
Nominal Frequency & Equivalent Series Resistance	4	180
	6	120
	8	80
	10	70
	12	60
	16	50
	20	50
Overtone	Fundamental	
Frequency Tolerance (overall)	$\pm 1000 \times 10^{-6}$, $\pm 250 \times 10^{-6}$	
Operating Temperature Range	-40 ~ +125°C	
Drive Level	50μW (1000μW max)	
Standard Load Capacitance	16pF	

Measuring Circuit: CI Meter

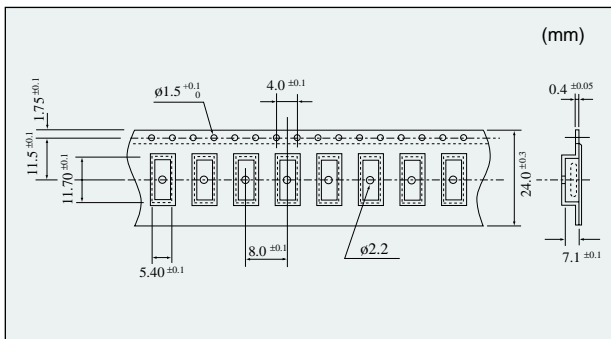
CRYSTAL UNITS

■ Dimensions



Taping Dimensions

■ Tape



■ Reel

