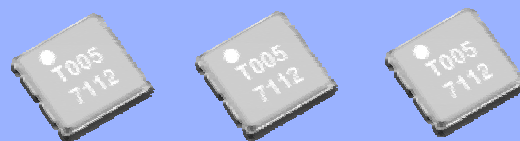




MHz RANGE CRYSTAL UNIT High Frequency SMD

FH - 33H

- Frequency range : 60 MHz to 230 MHz
- Thickness : 1.0 mm Max.
- Overtone : Fundamental
- Applications : Backbone network



Actual size



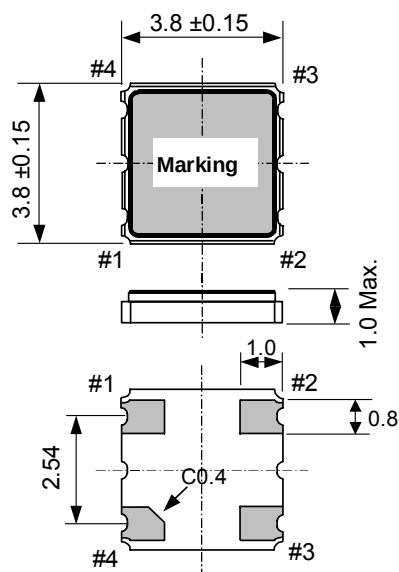
Specifications (characteristics)

Item	Symbol	Specifications	Remarks
Nominal frequency range	f	60 MHz to 230 MHz	Fundamental
Temperature Range	Storage Temperature	T_stg	-50 °C to +95 °C
	Operating temperature	T_use	-40 °C to +85 °C
Level of drive	DL	100 µW Max.	
Frequency tolerance	f_tol	$\pm 35 \times 10^{-6}$	+25 °C
Frequency versus Temperature characteristics	f_tem	$\pm 20 \times 10^{-6}$	-40 °C to +85 °C
Load capacitance	CL	17 pF to ∞ (Standard ∞)	Please contact us for inquiries
Motional resistance	R ₁	As per below table	
Frequency aging	f_age	$\pm 10 \times 10^{-6}$ / 10years Max.	+25 °C

Motional resistance (R₁)

Frequency	Motional resistance
60.0 MHz $\leq$ f < 75.0 MHz	40 Ω Max.
75.0 MHz $\leq$ f $\leq$ 230.0 MHz	30 Ω Max.

External dimensions



Pin map

Pin	Connection
1,3	IN, OUT
2,4	GND

Footprint(Recommended) (Unit:mm)

