



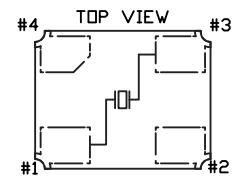
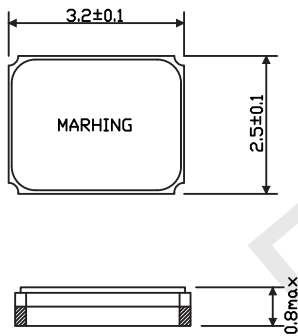
QUARTZ CRYSTAL RESONATOR

PARAMETERS RHTNYC3225

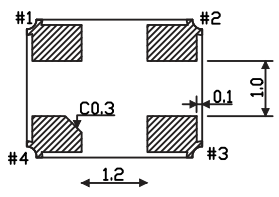
Nominal frequency range: 10.000~54.000 MHZ , 54.000~125.000 MHZ
 Crystal cut: Fundamental [AT-cut], 3rd overtone [AT-cut]
 Storage temperature range: -40°C~+85°C
 Operating temperature range: -10°C~+60°C, -30°C~+85°C
 Frequency temperature characteristics(Ref. to +25°C): $\pm 10 \times 10^{-6}$ $\pm 15 \times 10^{-6}$
 Frequency tolerance (at +25°C): $\pm 10 \times 10^{-6}$
 Equivalent series resistance: Please Refer to the Following ESR Table
 Load capacitance: Series, 10pF, 12pF, 16pF
 Shunt capacitance: 5pF max.
 Level of drive: 10 μ W (100 μ W max.)



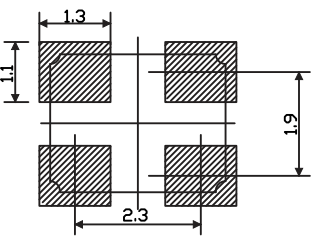
Outline and Dimensions [unit:mm]



#1,#3:Crystal terminal
 #2,#4:Connected to cover
 (Please connect it with GND)



Example of a Terminal Land Pattern



Frequency	ESR(Ω)
Fundamental	
10.000~15.999	100
16.000~18.999	80
19.000~29.999	60
30.000~54.000	40
3rd overtone	
54.000~125.000	100

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