

MHz RANGE CRYSTAL UNIT SMD

MA - 306

- Frequency range : 14.31818 MHz
17.734 MHz to 41 MHz
- Thickness : 2.54 mm Max.
- Overtone order : Fundamental
- Applications : For Clock of integrated circuit
- Lead(Pb)-free : High melting temperature type solder
(Pb85 %) exempted by RoHS directive.



Actual size

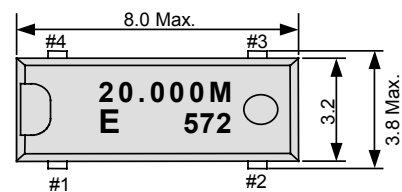


Specifications (characteristics)

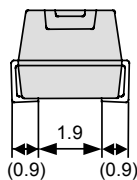
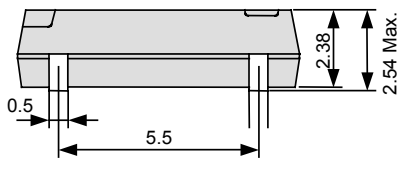
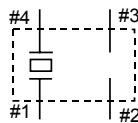
Item	Symbol	Specifications	Remarks
Nominal frequency range	f	14.31818 MHz, 17.734 MHz to 41.000 MHz	Fundamental
Temperature range	Storage temperature	T_stg	-55 °C to +100 °C
	Operating temperature	T_use	-20 °C to +70 °C
Level of drive	DL	10 μW to 100 μW	
Frequency tolerance (standard)	f_tol	$\pm 50 \times 10^{-6}$	+25 °C
Frequency versus temperature characteristics (standard)	f_tem	$\pm 30 \times 10^{-6}$	-20 °C to +70 °C
Load capacitance	CL	10 pF to ∞	Please specify
Motional resistance (ESR)	R ₁	60 Ω Max.	-20 °C to +70 °C, DL=100 μW
Frequency aging	f_age	$\pm 5 \times 10^{-6}$ / year Max.	+25 °C, First year

External dimensions

(Unit:mm)



Internal connection



Do not connect #2 and #3 to external device.

Metal may be exposed on the top or bottom of this product.
This will not affect any quality, reliability or electrical spec.

Footprint (Recommended)

(Unit:mm)

