

**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

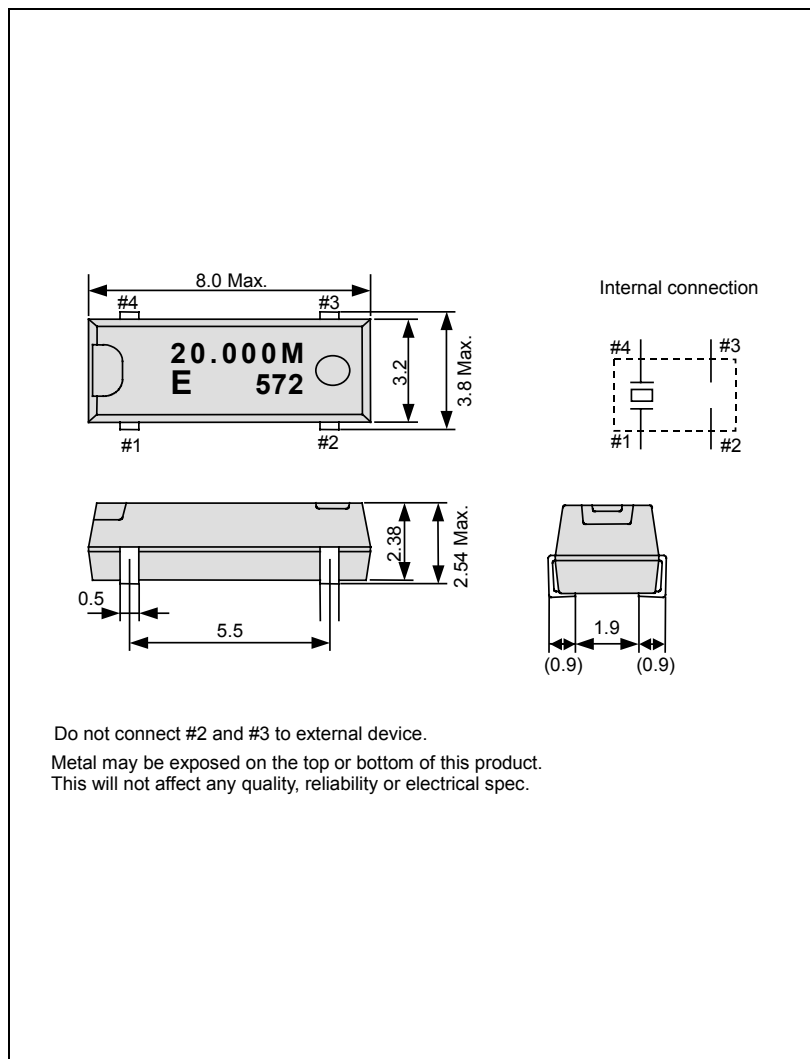


Specifications (characteristics)

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	Stored as bare product after unpacking
	Operating temperature	T_use	-20 °C to +70 °C	
Level of drive	DL	10 μW to 100 μW		
Frequency tolerance (standard)	f_tol	±50 × 10 ⁻⁶	+25 °C	
Frequency versus temperature characteristics (standard)	f_tem	±30 × 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	±5 × 10 ⁻⁶ / year Max.	+25 °C, First year	

External dimensions

(Unit:mm)



Footprint (Recommended)

(Unit:mm)

