SMALL SMD HIGH - FREQUENCY CRYSTAL UNIT

MA-306

- High-density mounting-type SMD.
- Excellent reliability and environment capability.
- Capable of covering a wide frequency range. (from 17.734 MHz to 41 MHz)

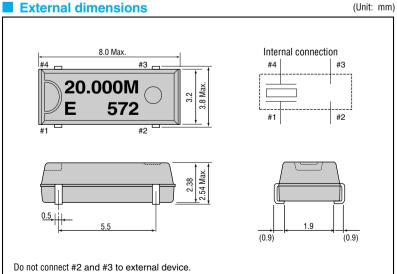


■ Specifications (characteristics)

			<u> </u>	
Item		Symbol	Specifications	Remarks
Nominal frequency		f	17.734 MHz to 41.000 MHz	Fundamental mode
Temperature range	Storage temperature	Тѕтс	-55 °C to +100 °C	Stored as bare product after unpacking
	Operating temperature	Topr	-20 °C to +70 °C	
Drive level	Maximum drive level	GL	2 mW Max.	Only crystal oscillation is guaranteed
	Recommended drive level	DL	10 μW to 100 μW	
Soldering condition		Tsol	Twice at under +260 °C within 10 s or under +230 °C within 3 min.	
Frequency tolerance (standard)		Δf/f	±50 x 10 ⁻⁶	Ta= +25 °C ±3 °C
Frequency temperature characteristics (standard)			±30 x 10°	-20 °C to +70 °C
Load capacitance		C∟	10 pF to ∞	Please specify
Series resistance		R ₁	60 Ω Max.	-20 °C to +70 °C, DL=100 μW
Shunt capacitance		Co	5 pF Max.	
Insulation resistance		IR	500 MΩ Min.	
Aging		fa	±5 x 10 ⁻⁶ / year Max.	Ta=+25 °C ±3 °C, first year
Shock resistance		S.R.	±10 x 10 ⁻⁶ Max.	Three drops on a hard board from 750 mm or excitation test with 29400 m/s² x 0.3 ms x 1/2 sine wave x 3 directions

Metal may be exposed on the top of this product. This won't affect any quality, reliability or electrical spec.

External dimensions



Recommended soldering pattern (Unit: mm) 1.3 6. د.