

THIN SMD LOW/MEDIUM FREQUENCY CRYSTAL UNIT

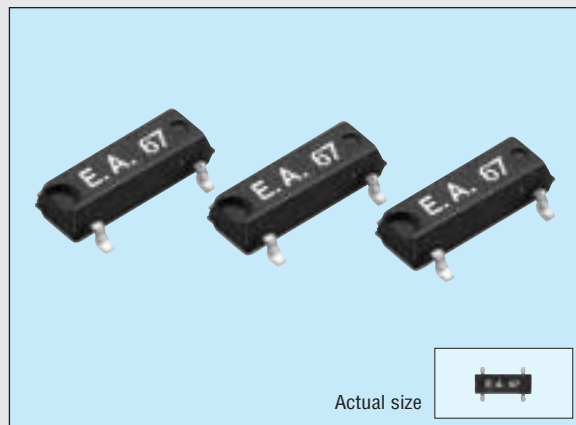
查询 MC-206 供应商

MC-206

Product number (please refer to page 1)

Q1xMC206xxx00

- High-density mounting-type SMD of Max. 2.0 mm thickness.
- High heat resistance allows reflow soldering.
- Excellent environmental capability.



Specifications (characteristics)

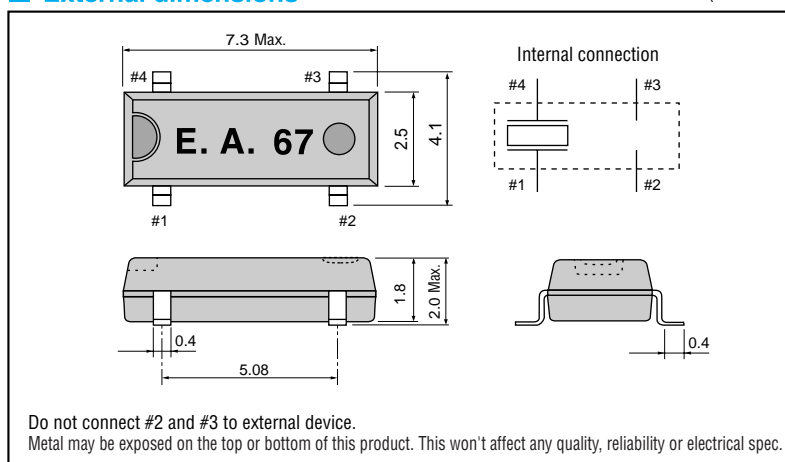
Item	Symbol	Specifications		Remarks
Nominal frequency	f	32.768 kHz	32.000 kHz to 100.000 kHz	
Temperature range	Storage temperature	T _{STG} -55 °C to +125 °C		Stored as bare product after unpacking
	Operating temperature	T _{OPR} -40 °C to +85 °C		
Maximum drive level	GL	1.0 μW Max.		
Frequency tolerance (standard)	Δf/f	±20 x 10 ⁻⁶ , ±50 x 10 ⁻⁶	±50 x 10 ⁻⁶ , ±100 x 10 ⁻⁶	Ta=+25 °C, DL=0.1 μW
Peak temperature (frequency)	θT	+25 °C ±5 °C		
Temperature coefficient (frequency)	a	-0.04 x 10 ⁻⁶ / °C ² Max.		
Load capacitance	C _L	7 pF, 12.5 pF		Please specify
Series resistance	R ₁	55 kΩ Max.	50 kΩ to 20 kΩ	As per below table
Motional capacitance	C ₁	1.8 fF Typ.	3.0 fF Max.	
Shunt capacitance	C ₀	0.9 pF Typ.	1.5 pF Max.	
Insulation resistance	IR	500 MΩ Min.		
Aging	fa	±3 x 10 ⁻⁶ / year Max.	±5 x 10 ⁻⁶ / year Max.	Ta= +25 °C ±3 °C, first year
Shock resistance	S.R.	±5 x 10 ⁻⁶ Max.		Three drops on a hard board from 750 mm or excitation test with 29400 m/s ² x 0.3 ms x 1/2 sine wave x 3 directions

Series resistance

Frequency (kHz)	32 ≤ f < 38	38 ≤ f < 65.536	65.536 ≤ f < 75	75 ≤ f ≤ 100
Series resistance (Ω)	50 kΩ Max.	40 kΩ Max.	25 kΩ Max.	20 kΩ Max.

External dimensions

(Unit: mm)



Recommended soldering pattern

(Unit: mm)

