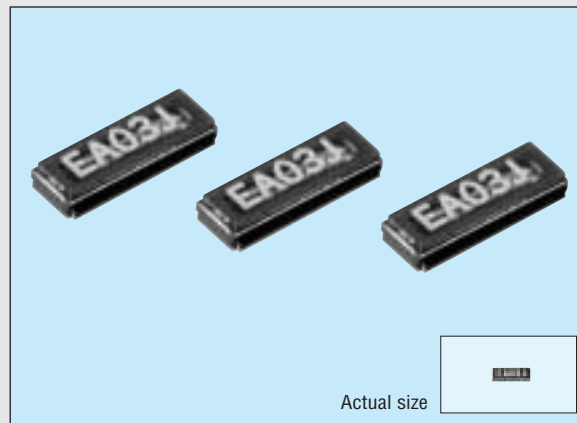


THIN SMD LOW / MEDIUM FREQUENCY CRYSTAL UNIT

FC-255

Product number (please refer to page 1)
Q1xFC255xxxxx00

- High-density mounting-type SMD of 0.9 mm Max. thickness.
- Small packaging area and light weight.
- Excellent environmental capability.
- Most suitable for small communications devices.

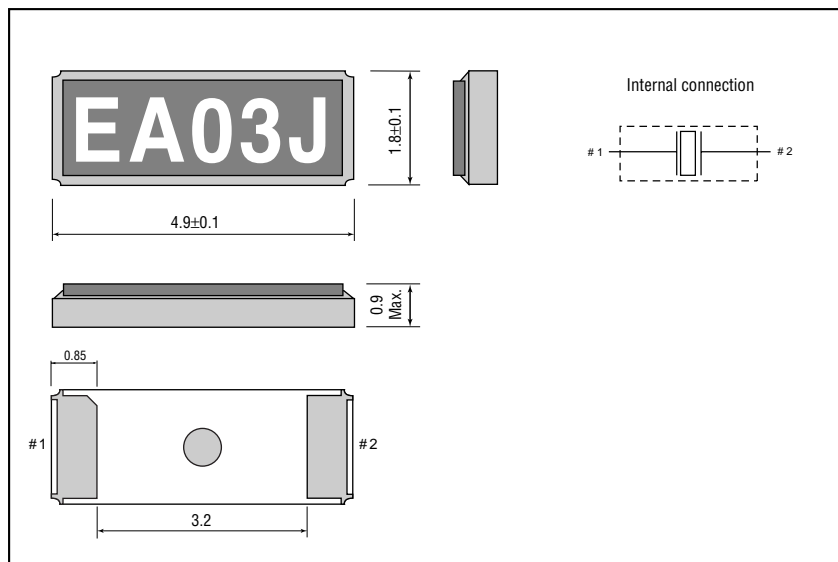


Specifications (characteristics)

Item		Symbol	Specifications		Remarks
Nominal frequency		f	32.768 kHz	32.000 kHz to 100.000 kHz	please contact us for inquiries about the available frequency
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	0.5 μW Max.		
Frequency tolerance(standard)		Δf/f	±20 x 10 ⁻⁶	±50 x 10 ⁻⁶ , ±100 x 10 ⁻⁶	T _a =+25 °C, DL=0.1 μW Please ask tighter tolerance
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	65 kΩ Max.	70 kΩ to 25 kΩ	
Motional capacitance		C ₁	1.7 fF Typ.	2.5 fF to 0.7 fF	
Shunt capacitance		C ₀	1.3 pF Typ.	1.6 pF to 0.7 pF	
Insulation resistance		IR	500 MΩ Min.		
Aging		fa	±3 x 10 ⁻⁶ /year Max.		T _a =+25 °C ±3 °C, first year
Shock resistance		S.R.	±8 x 10 ⁻⁶ Max.		100 g dummy (Seiko Epson Standard) drop from 1500 mm height on to the concrete 3 directions 10 times.

External dimensions

(Unit: mm)



Recommended soldering pattern

(Unit: mm)

