

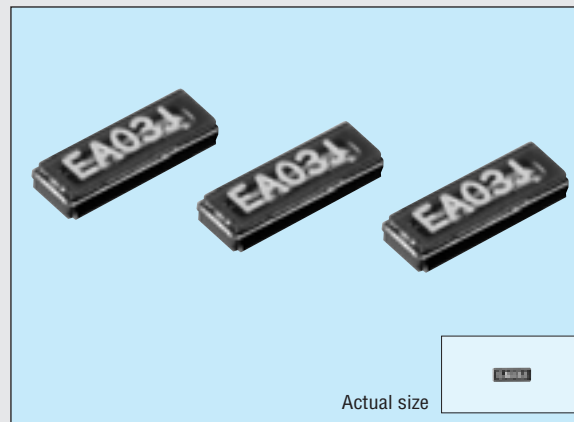
NEW PRODUCTS

Crystal unit

THIN SMD LOW FREQUENCY CRYSTAL UNIT

FC-255

- 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.

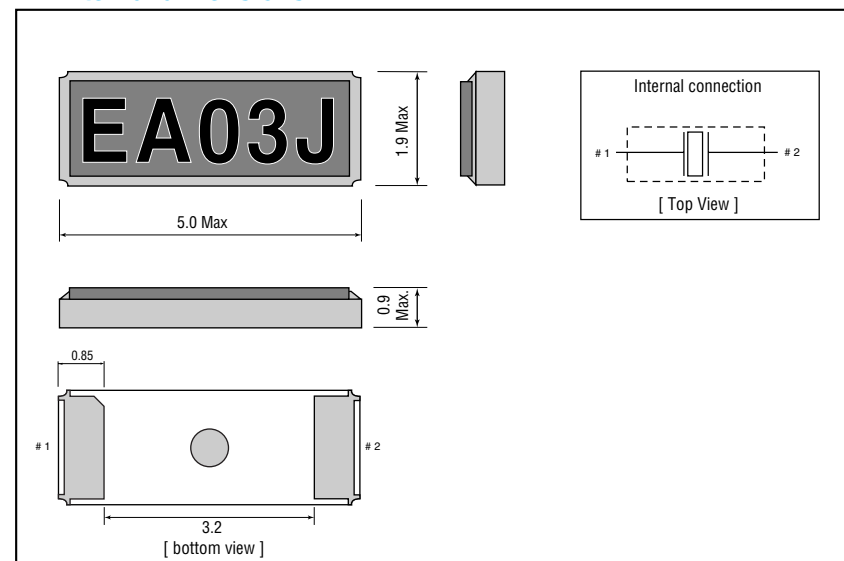


Specifications (characteristics)

Item	Symbol	Specifications	Remarks
Nominal frequency	f	32.768 kHz	please contact us for inquiries about the available frequency
Temperature range	Storage temperature	T _{STG}	-55 °C to +125 °C
	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	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.	
Motional capacitance	C ₁	1.7 fF Typ.	
Shunt capacitance	C ₀	1.3 pF Typ.	
Insulation resistance	IR	500 MΩ Min.	
Aging	fa	±3 x 10 ⁻⁶ /year Max.	T _a =+25 °C ±3 °C, first year

External dimensions

(Unit: mm)



Recommended soldering pattern

(Unit: mm)

