

Product name FA2016AA 25.000000 MHz 8.0 +15.0-15.0

AEC-Q200 compliant

Product Number / Ordering code X1E000381A131xx

Please refer to the 5.Packing information about xx (last 2 digits)

Pb free / Complies with EU RoHS directive

Reference weight Typ. 7 mg

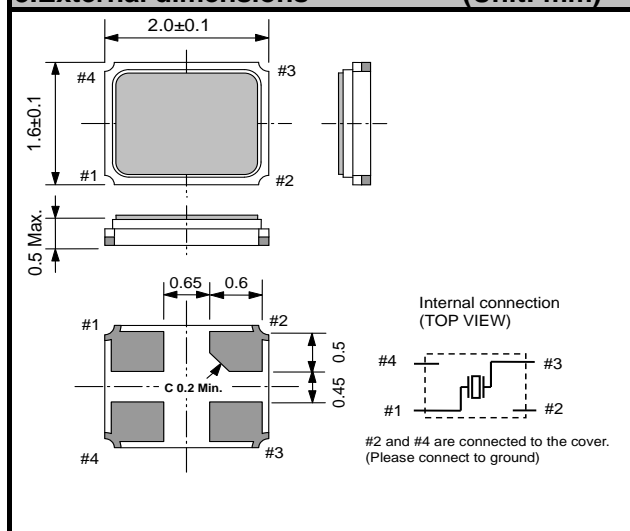
1.Absolute maximum ratings

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions / Remarks
Storage temperature	T_stg	-40	-	+125	°C	Storage as single product
Operating temperature	T_use	-40	-	+125	°C	

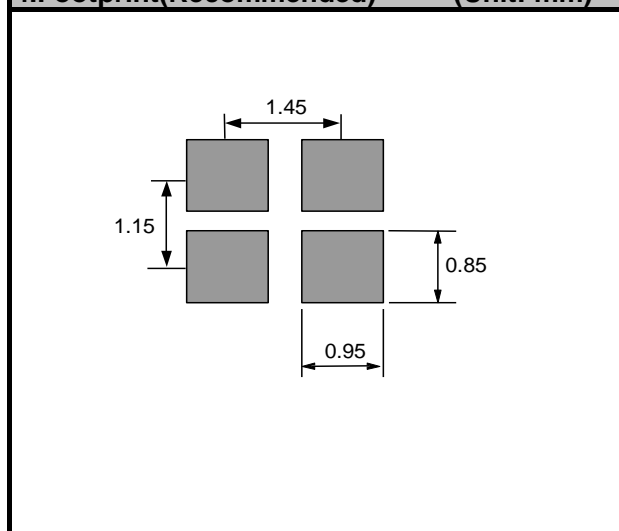
2.Specifications(characteristics)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions / Remarks
Nominal frequency	f_nom	-	25.000000	-	MHz	Fundamental
Frequency tolerance	f_tol	-15	-	+15	x 10 ⁻⁶	@+25°C
Frequency Stability over temperature	f_tem	-50	-	+50	x 10 ⁻⁶	-40°C to +125°C
Operating temperature	T_use	-40	-	+125	°C	
Level of drive	DL	1	100	200	µW	
Load capacitance	CL	-	8	-	pF	
Motional resistance (ESR)	R1	-	-	80	Ω	
Motional capacitance	C1	-	1.99	-	fF	
Motional inductance	L1	-	20.91	-	mH	
Shunt capacitance	C0	-	0.62	-	pF	
Frequency aging	f_age	-3	-	+3	x10 ⁻⁶ /yea	@+25°C, First year

3.External dimensions (Unit: mm)



4.Footprint(Recommended) (Unit: mm)



5.Packing information

[1]Product number last 2 digits code (xx) description

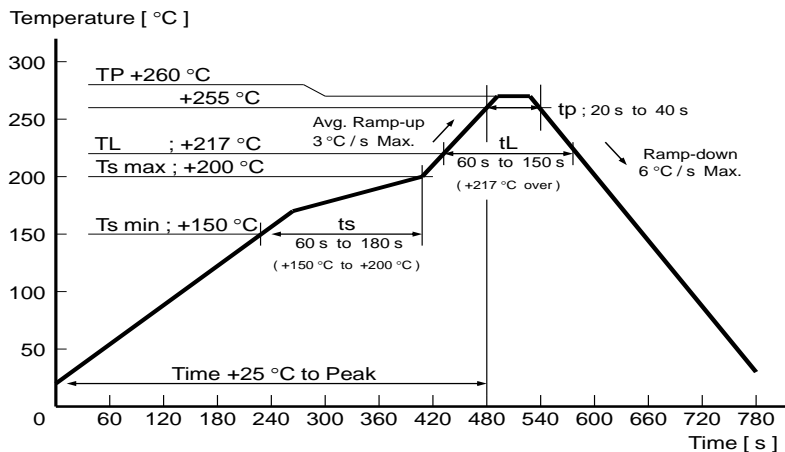
The recommended code is "18"

X1E000381A131xx

Code	Condition	Code	Condition
01	Any Q'ty vinyl bag(Tape cut)	00	3000pcs / Reel
11	Any Q'ty / Reel	18	5000pcs / Reel
12	250pcs / Reel		
14	1000pcs / Reel		

6.Reflow profile

Reflow condition (Follow of JEDEC STD-020D.01)

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