

Product nameFA-23824.000000 MHz 10.0 +50.0-50.0

Product Number / Ordering codeQ22FA23801794xx

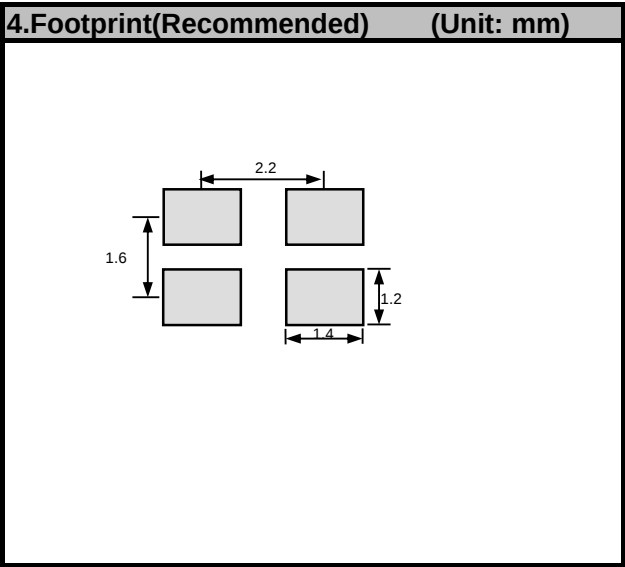
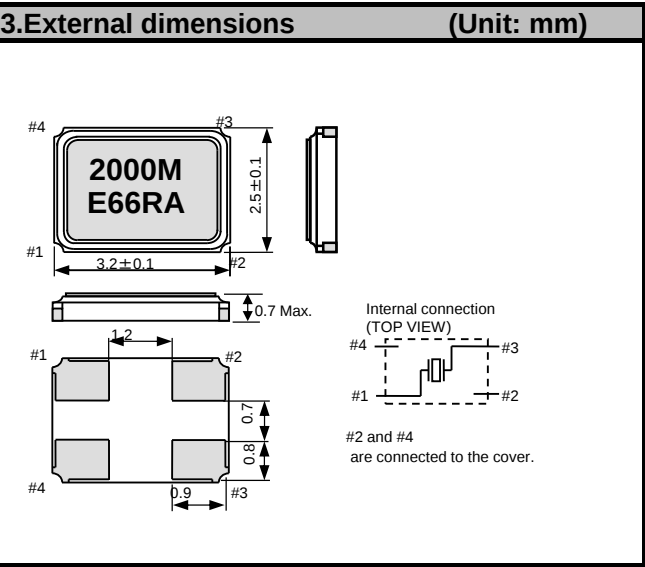
Please refer to the 5.Packing information about xx (last 2 digits)

Pb free / Complies with EU RoHS directive

Reference weight Typ. 16 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	-	+105	°C	

2.Specifications(characteristics)						
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions / Remarks
Nominal frequency	f_nom	-	24.000000	-	MHz	Fundamental
Frequency tolerance	f_tol	-50	-	+50	x 10 ⁻⁶	@+25°C
Frequency Stability over temperature	f_tem	-50	-	+50	x 10 ⁻⁶	-40°C to +85°C
Operating temperature	T_use	-40	-	+85	°C	
Level of drive	DL	10	100	200	μW	
Load capacitance	CL	-	10	-	pF	
Motional resistance (ESR)	R1	-	-	60	Ω	
Motional capacitance	C1	-	2.97	-	fF	
Motional inductance	L1	-	14.79	-	mH	
Shunt capacitance	C0	-	1.07	-	pF	
Frequency aging	f_age	-5	—	+5	x10 ⁻⁶ /year	@+25°C, First year



5.Packing information

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

The recommended code is "17"

Q22FA23801794xx

Code	Condition	Code	Condition
01	Any Q'ty vinyl bag(Tape cut)	14	1000pcs / Reel
11	Any Q'ty / Reel	15	2000pcs / Reel
12	250pcs / Reel	00	3000pcs / Reel
13	500pcs / Reel	17	4000pcs / Reel

(1) Tape dimensions TE0804L

Material of the Top Tape : PET+PE

[illegible]

Material of the Reel : PS

Technical drawing of a mechanical part, showing three views: front view, side view, and end view.

Front View: A circular part with a central hole of diameter $\phi 76$. The outer diameter is $\phi 180.00$. The part has five spokes. The distance from the center to the outer edge along a spoke is 160 . The thickness of the part is 11.40 . The central hole has a diameter of $\phi 3$. The part is labeled with H and G .

Side View: A cross-section of the part showing the thickness of 11.40 and the central hole of diameter $\phi 76$. The distance from the top surface to the center of the hole is 9.00 . The distance from the bottom surface to the center of the hole is 60.00 .

End View: A circular cross-section showing the outer diameter of $\phi 21 \pm 0.8$ and the inner diameter of $\phi 13 \pm 0.2$. The distance from the center to the outer edge is 2.00 . The part is labeled with H and G .

6. Reflow profile

Reflow condition

Pre Heating Temperature

Tp1 ~ Tp2 = + 170 ° C

Heating Temperature

TUlt = + 220 ° C

Peak Temperature

TMax. = + 260 ° C

Point of measuring

In case of Solderability
Terminal.

In case of Resistance to soldering heat
Surface.

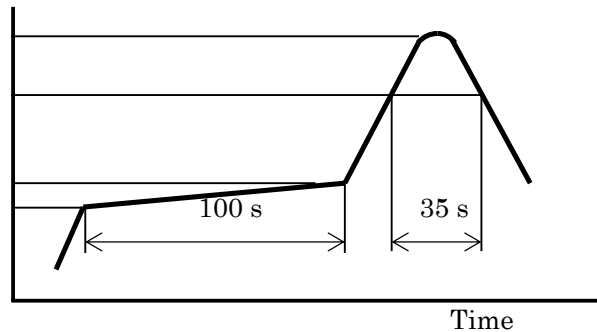
Temperature

TMax.

TUlt

Tp2

Tp1



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