MHz Range Crystal unit FA-238

SEIKO EPSON CORPORATION

Product name FA-238 25.000000 MHz 18.0 +15.0-15.0 Product Number / Ordering code Q22FA23800844xx

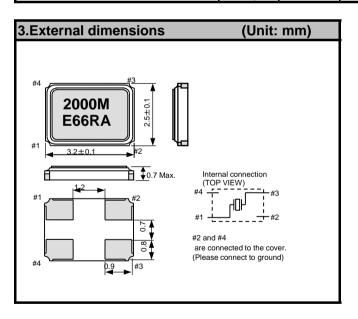
Please refer to the 5.Packing information about xx (last 2 digits)

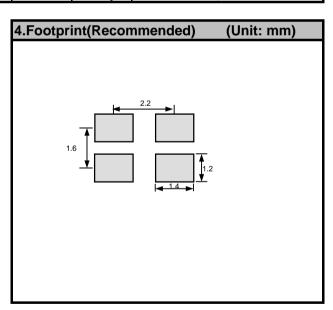
Pb free / Complies with EU RoHS directive

Reference weight Typ. 16 mg

1.Absolute maximum ratings						
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks
Storage temperature	T_stg	-40	-	+125	လူ	Storage as single product
Operating temperature	T_use	-40	-	+105	°C	

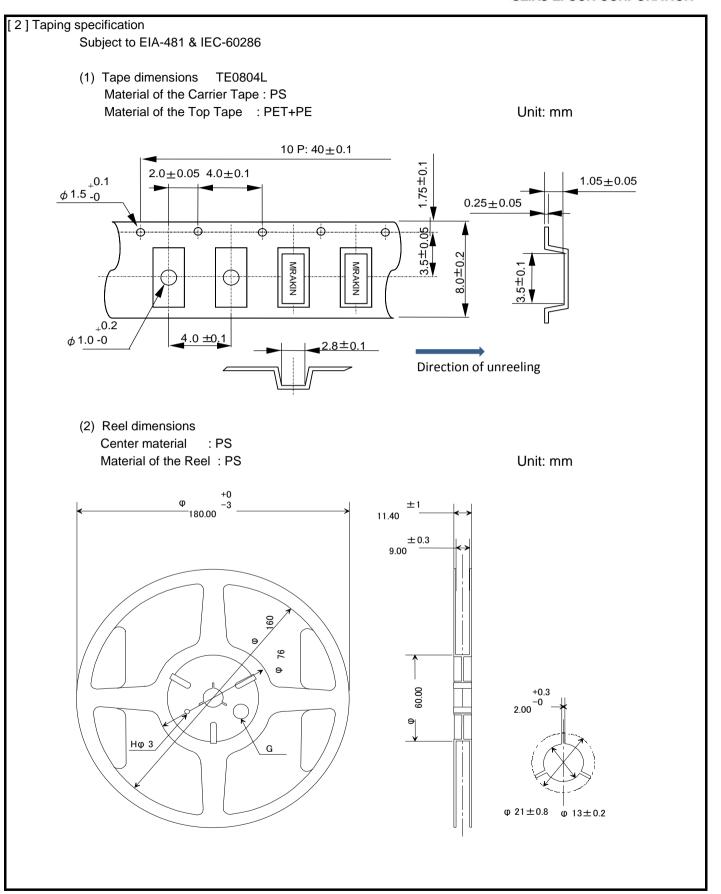
2.Specifications(characteris	tics)					
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks
Nominal frequency	f_nom	_	25.000000	=	MHz	Fundamental
Frequency tolerance	f_tol	-15	-	+15	x 10- ⁶	@+25°C
Frequency Stability over temperature	f_tem	-30	-	+30	x 10 ⁻⁶	-20°C to +70°C
Operating temperature	T_use	-20	-	+70	٥C	
Level of drive	DL	10	100	200	μW	
Load capacitance	CL	_	18	=	pF	
Motional resistance (ESR)	R1	-	-	50	Ω	
Motional capacitance	C1	-	3.07	-	fF	
Motional inductance	L1	-	13.18	-	mΗ	
Shunt capacitance	C0	-	1.08	-	pF	
Frequency aging	f_age	-5	_	+5	x10 ⁻⁶ /yea	@+25°C, First year





5.Packing	informat	ion					
[1]Product	1]Product number last 2 digits code (xx) description			The recommended code is "17"			
	Q22FA23	800844xx					
	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			

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6.Reflow profile

Reflow condition

Pre Heating Temperature

 $Tp1 \sim Tp2 = +170 \circ C$

Heating Temperature

TMIt = +220° C

Peek Temperature

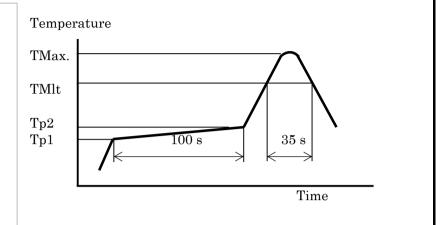
TMax. = +260° C

Point of measuring

In case of Solderability

Terminal.

In case of Resistance to soldering heat Surface.



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