MHz Range Crystal unit

FA-238

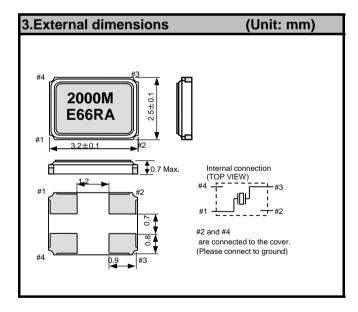
Product nameFA-23819.200000MHz 7.0+20.0-20.0Product Number / Ordering codeQ22FA23801800xx

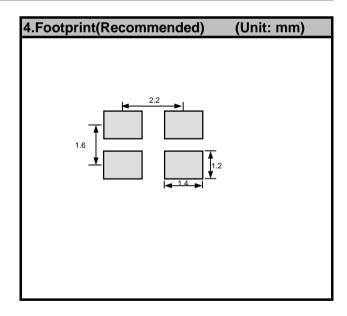
Please refer to the 5.Packing information about xx (last 2 digits)

Pb free / Complies with EU RoHS directive

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

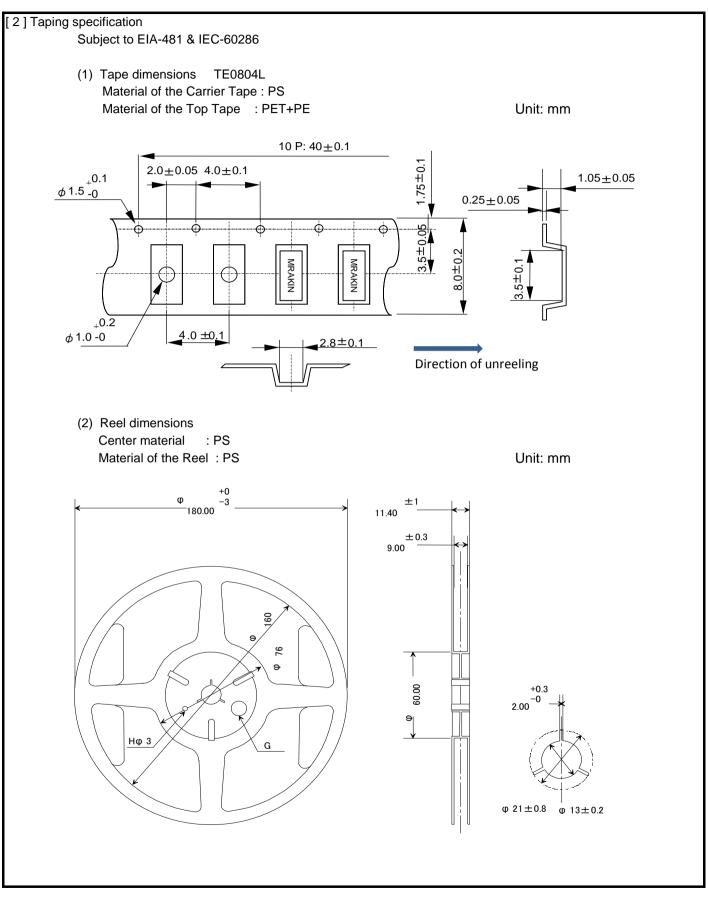
2.Specifications(characteristics)							
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks	
Nominal frequency	f_nom	-	19.200000	_	MHz	Fundamental	
Frequency tolerance	f_tol	-20	-	+20	x 10- ⁶	@+25°C	
Frequency Stability over temperature	f_tem	-30	-	+30	x 10 ⁻⁶	-20ºC to +70ºC	
Operating temperature	T_use	-20	-	+70	°C		
Level of drive	DL	10	100	200	μW		
Load capacitance	CL		7	-	рF		
Motional resistance (ESR)	R1	-	-	80	Ω		
Motional capacitance	C1	-	2.46	-	fF		
Motional inductance	L1	-	27.93	-	mH		
Shunt capacitance	C0	-	0.90	-	pF		
Frequency aging	f_age	-5	_	+5	x10 ⁻⁶ /yea	@+25°C, First year	



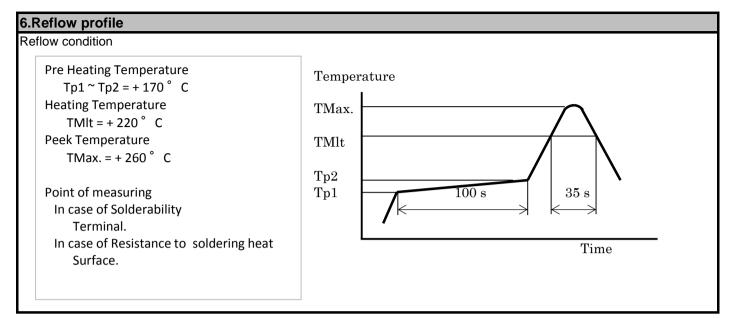


5.Packing	informat	ion		
[1]Product	number la	st 2 digits code (xx) description		The recommended code is "17"
	Q22FA23	3801800xx		
	Code	Condition	Code	Condition
	01	Any Q'ty vinyl bag(Tape cut)	14	1000pcs / Reel
	11	Any Q'ty / Reel	15	2000pcs / Reel
	12	250pcs / Reel	00	3000pcs / Reel
	13	500pcs / Reel	17	4000pcs / Reel

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- / Submarine transmitters
- / Power stations and related
- / Fire work equipment and security equipment
- / Traffic control equipment
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