MHz Range Crystal unit FA

FA-238V

Product nameFA-238V12.000000 MHz 12.0 +30.0-30.0Product Number / Ordering codeQ22FA23V00170xx

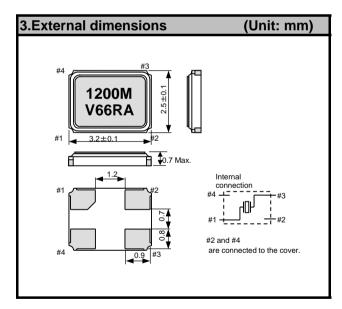
Please refer to the 5.Packing information about xx (last 2 digits)

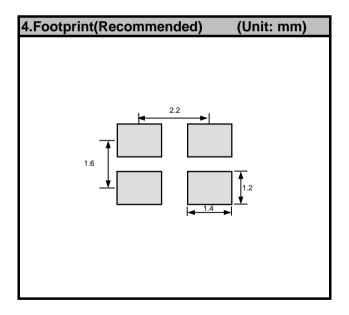
Pb free / Complies with EU RoHS directive

Reference weight Typ. 16 mg

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

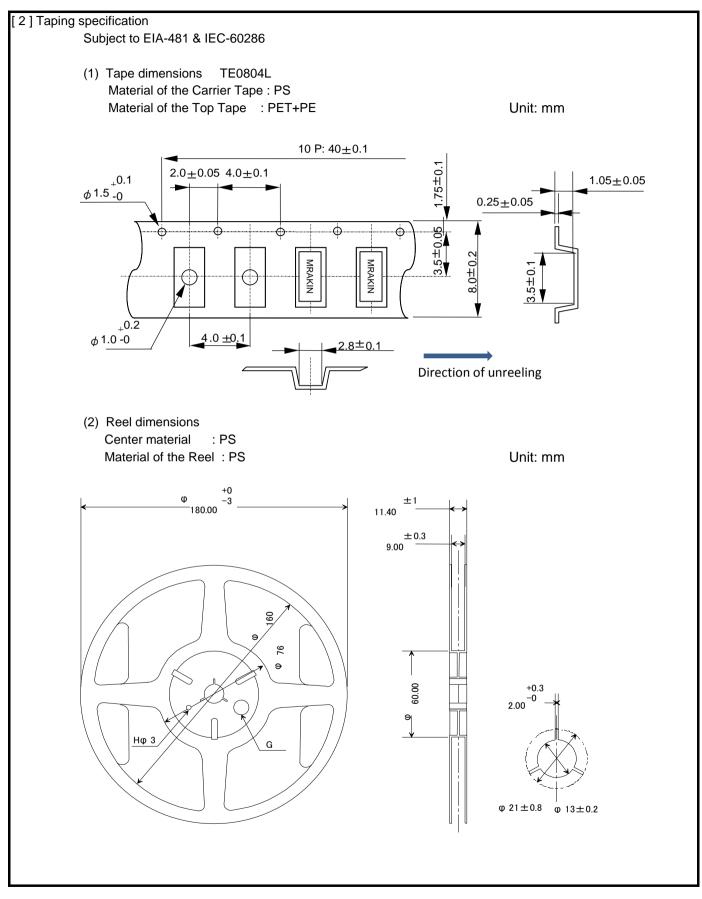
2.Specifications(characteristics)						
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks
Nominal frequency	f_nom	—	12.000000	-	MHz	Fundamental
Frequency tolerance	f_tol	-30	-	+30	x 10- ⁶	@+25°C
Frequency Stability over temperature	f_tem	-30	-	+30	x 10 ⁻⁶	-20ºC to +70ºC
Operating temperature	T_use	-20	-	+70	°C	
Level of drive	DL	10	100	200	μW	
Load capacitance	CL	—	12	_	pF	
Motional resistance (ESR)	R1	-	-	100	Ω	
Motional capacitance	C1	-	2.01	-	fF	
Motional inductance	L1	-	87.68	-	mH	
Shunt capacitance	C0	-	0.96	-	pF	
Frequency aging	f_age	-5	_	+5	x10 ⁻⁶ /yea	@+25°C, First year



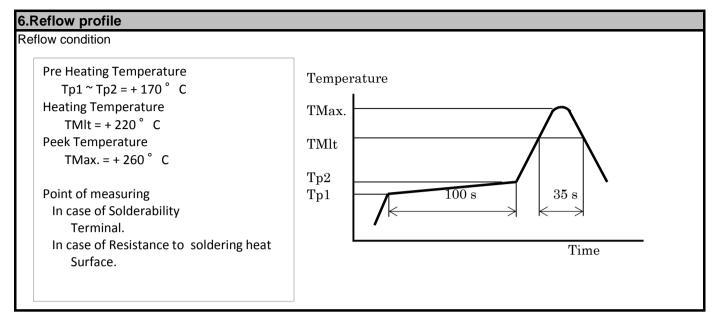


5.Packing	informat i	ion			
[1]Product number last 2 digits code (xx) description The recommended code is "17"					
	Q22FA23	V00170xx			
Code Condition		Code	Condition		
	01	Any Q'ty vinyl bag(Tape cut)	14	1000pcs / Reel	
	11	Any Q'ty / Reel	15	2000pcs / Reel	
	12	250pcs / Reel	00	3000pcs / Reel	
	13	500pcs / Reel	17	4000pcs / Reel	
				-	

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