## MHz Range Crystal unit F

### FA-238V

# Product nameFA-238V12.800000 MHz 15.0 +10.0-10.0Product Number / Ordering codeQ22FA23V00385xx

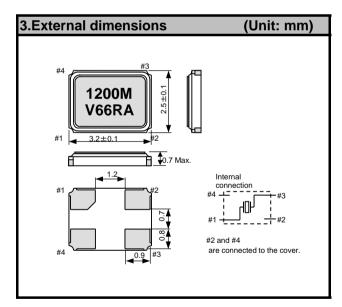
Please refer to the 5.Packing information about xx (last 2 digits)

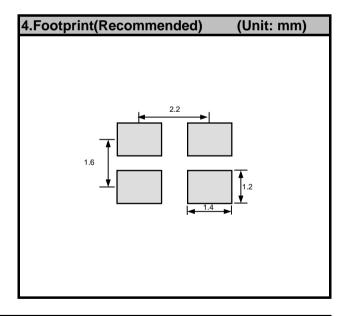
Pb free / Complies with EU RoHS directive

Reference weight Typ. 16 mg
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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	

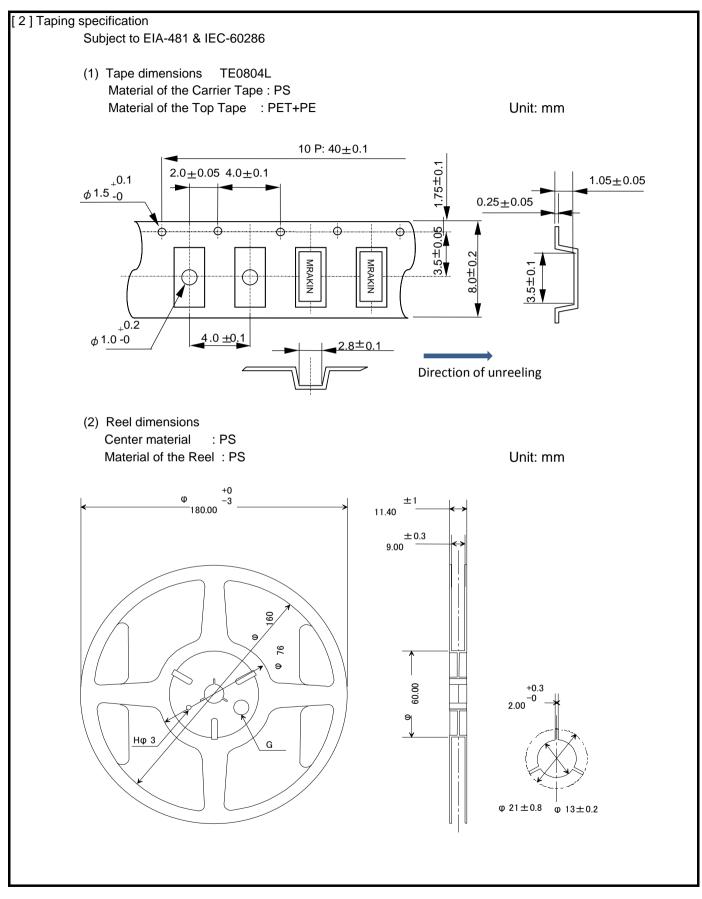
2.Specifications(characteri	stics)					
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks
Nominal frequency	f_nom	_	12.800000	_	MHz	Fundamental
Frequency tolerance	f_tol	-10	-	+10	x 10- <sup>6</sup>	@+25°C
Frequency Stability over temperature	f_tem	-10	-	+10	x 10 <sup>-6</sup>	-20ºC to +75ºC
Operating temperature	T_use	-20	-	+75	°C	
Level of drive	DL	10	100	200	μW	
Load capacitance	CL	—	15	_	pF	
Motional resistance (ESR)	R1	-	-	100	Ω	
Motional capacitance	C1	-	2.21	-	fF	
Motional inductance	L1	-	70.05	-	mH	
Shunt capacitance	C0	-	0.95	-	pF	
Frequency aging	f_age	-5	_	+5	x10 <sup>-6</sup> /yea	@+25°C, First year



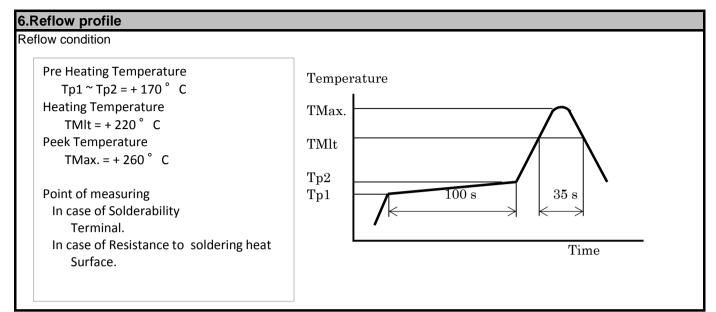


informati	ion					
1 ]Product number last 2 digits code (xx) description			The recommended code is "17"			
Q22FA23	V00385xx			_		
Code	Condition	Code	Condition			
01	Any Q'ty vinyl bag(Tape cut)	14	1000pcs / Reel			
11	Any Q'ty / Reel	15	2000pcs / Reel			
12	250pcs / Reel	00	3000pcs / Reel			
13	500pcs / Reel	17	4000pcs / Reel			
	number la: Q22FA23 Code 01 11 12	Q22FA23V00385xxCodeCondition01Any Q'ty vinyl bag(Tape cut)11Any Q'ty / Reel12250pcs / Reel	number last 2 digits code (xx) descriptionQ22FA23V00385xxCodeCodeConditionCode01Any Q'ty vinyl bag(Tape cut)1411Any Q'ty / Reel1512250pcs / Reel00	number last 2 digits code (xx) description The recommended code is "17"   Q22FA23V00385xx 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		

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