## MHz Range Crystal unit FA-128

#### SEIKO EPSON CORPORATION

# Product nameFA-12824.000000 MHz 12.0 +50.0-50.0Product Number / Ordering codeQ22FA12800037xx

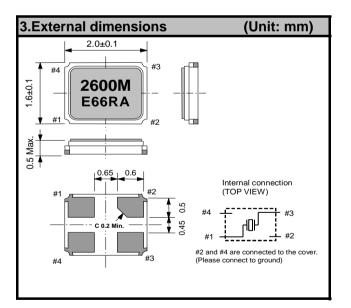
Please refer to the 5.Packing information about xx (last 2 digits)

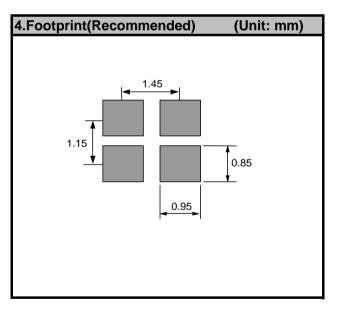
Pb free / Complies with EU RoHS directive

Reference weight Typ. 7 mg
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1.Absolute maximum ratings	5					
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	

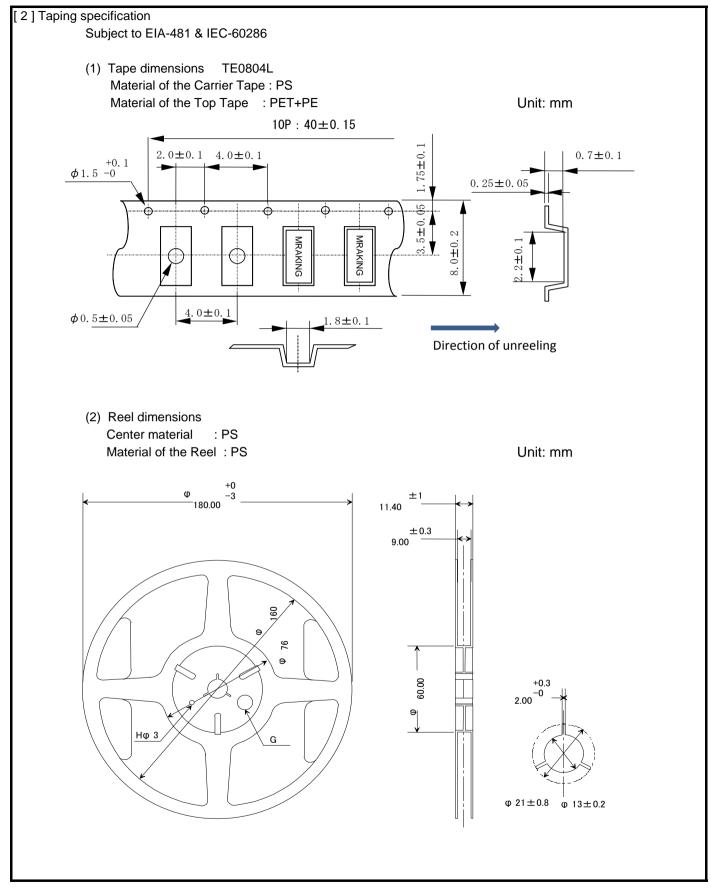
2.Specifications(characteris	stics)					
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks
Nominal frequency	f_nom	-	24.000000	_	MHz	Fundamental
Frequency tolerance	f_tol	-50	-	+50	x 10- <sup>6</sup>	@+25°C
Frequency Stability over temperature	f_tem	-30	-	+30	x 10⁻ <sup>6</sup>	-20ºC to +75ºC
Operating temperature	T_use	-20	-	+75	°C	
Level of drive	DL	10	-	100	μW	
Load capacitance	CL	-	12	_	pF	
Motional resistance (ESR)	R1	-	-	80	Ω	
Motional capacitance	C1	-	1.94	-	fF	
Motional inductance	L1	-	22.63	-	mH	
Shunt capacitance	C0	-	0.60	-	pF	
Frequency aging	f_age	-5	_	+5	x10 <sup>-6</sup> /yea	@+25°C, First year



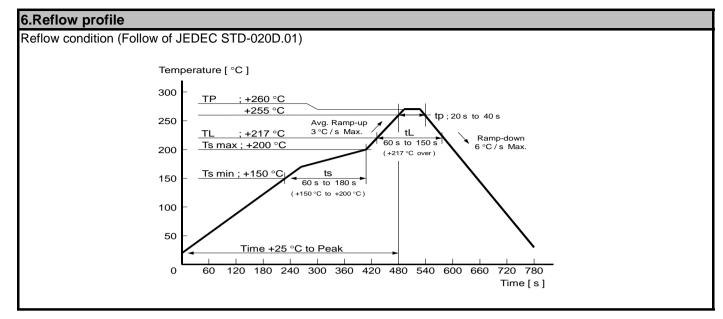


5.Packing	informati	ion				
[1]Product	Product number last 2 digits code (xx) description			The recommended code is "18"		
	Q22FA12	800037xx				
	Code	Condition	Code	Condition		
	01	Any Q'ty vinyl bag(Tape cut)	00	3000pcs / Reel		
	11	Any Q'ty / Reel	18	5000pcs / Reel		
	12	250pcs / Reel				
	14	1000pcs / Reel				

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	/ Traffic control equipment
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