MHz Range Crystal unit FA-128

SEIKO EPSON CORPORATION

Product name FA-128 32.000000 MHz 8.0 +10.0-10.0 Product Number / Ordering code Q22FA12800191xx

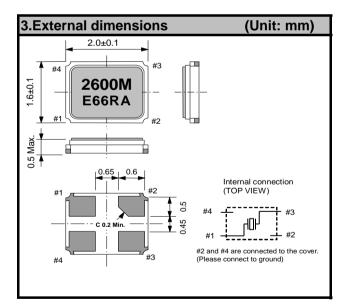
Please refer to the 5.Packing information about xx (last 2 digits)

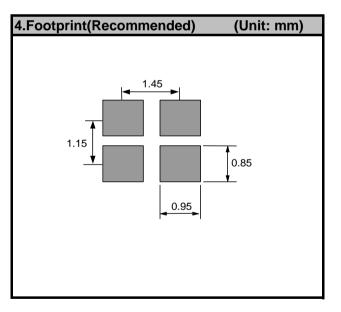
Pb free / Complies with EU RoHS directive

Reference weight Typ. 7 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	

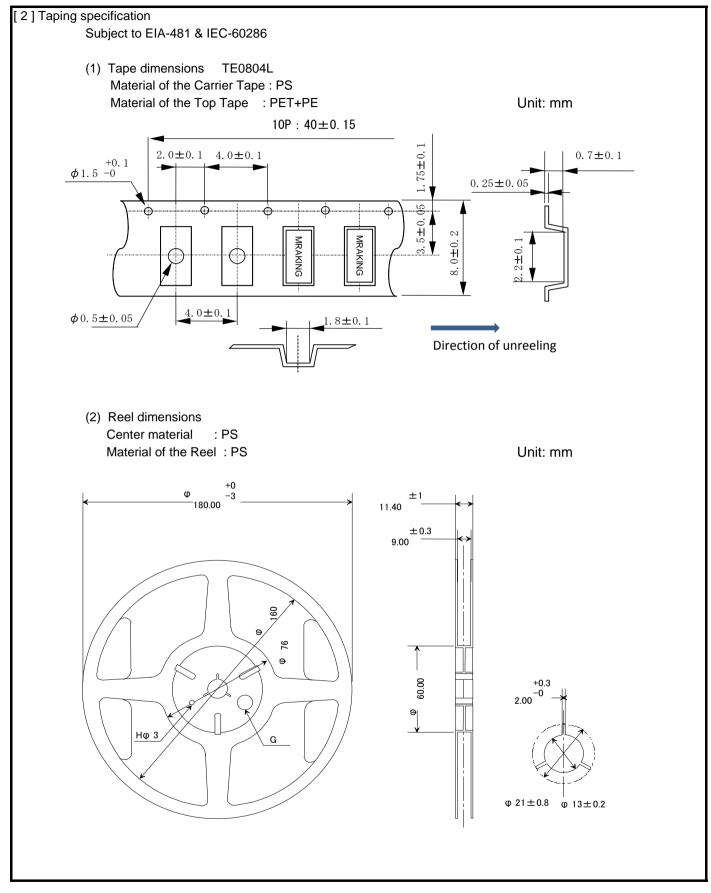
2.Specifications(characteris	stics)					
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks
Nominal frequency	f_nom	—	32.000000	-	MHz	Fundamental
Frequency tolerance	f_tol	-10	-	+10	x 10- ⁶	@+25°C
Frequency Stability over temperature	f_tem	-10	-	+10	x 10 ⁻⁶	-30ºC to +85ºC
Operating temperature	T_use	-30	-	+85	°C	
Level of drive	DL	10	-	100	μW	
Load capacitance	CL	—	8	-	pF	
Motional resistance (ESR)	R1	-	-	60	Ω	
Motional capacitance	C1	-	2.48	-	fF	
Motional inductance	L1	-	9.97	-	mH	
Shunt capacitance	C0	-	0.70	-	pF	
Frequency aging	f_age	-1	—	+1	x10 ⁻⁶ /yea	@+25°C, First year



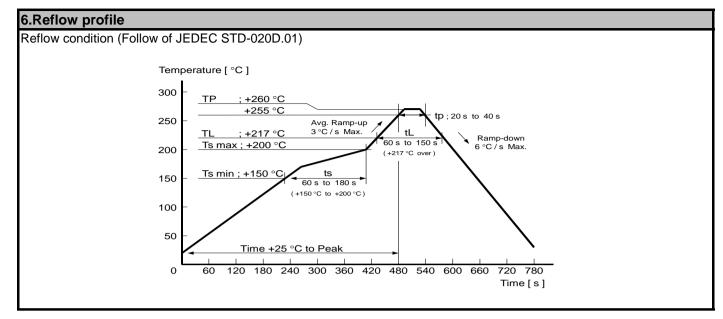


5.Packing	informati	ion				
[1]Product	Product number last 2 digits code (xx) description			The recommended code is "18"		
	Q22FA12	800191xx				
	Code	Condition	Code	Condition		
	01	Any Q'ty vinyl bag(Tape cut)	00	3000pcs / Reel		
	11	Any Q'ty / Reel	18	5000pcs / Reel		
	12	250pcs / Reel				
	14	1000pcs / Reel				

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	/ Traffic control equipment
	/ And others requiring equivalent reliability.

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