### MHz Range Crystal unit FA-128

#### SEIKO EPSON CORPORATION

# Product nameFA-12840.000000 MHz 10.0 +10.0-10.0Product Number / Ordering codeQ22FA12800101xx

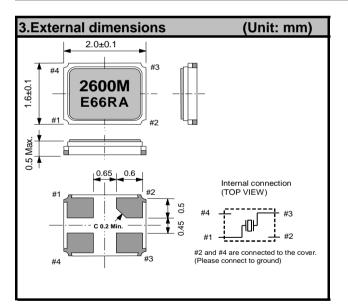
Please refer to the 5.Packing information about xx (last 2 digits)

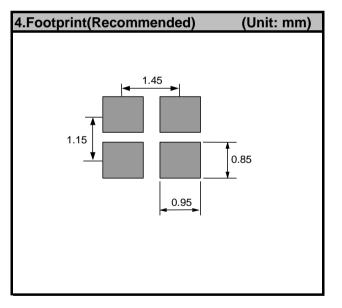
Pb free / Complies with EU RoHS directive

Reference weight Typ. 7 mg
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1.Absolute maximum ratings	;					
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks
Storage temperature	T_stg	-40	-	+125	°C	Storage as single product

2.Specifications(characteris	tics)					
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks
Nominal frequency	f_nom	-	40.000000	_	MHz	Fundamental
Frequency tolerance	f_tol	-10	-	10	x 10- <sup>6</sup>	@+25°C
Frequency Stability over temperature	f_tem	-20	-	20	x 10 <sup>-6</sup>	-40ºC to 85ºC
Operating temperature	T_use	-40	-	+85	°C	
Level of drive	DL	10	-	100	μW	Recommended:1 to 100µW
Load capacitance	CL	-	10	-	pF	
Motional resistance (ESR)	R1	-	-	60	Ω	
Motional capacitance	C1	-	2.986	-	fF	
Motional inductance	L1	-	5.302	-	mH	
Shunt capacitance	C0	-	0.78	-	pF	
Frequency aging	f_age	-1	—	1	x10 <sup>-6</sup> /yea	@+25°C, First year





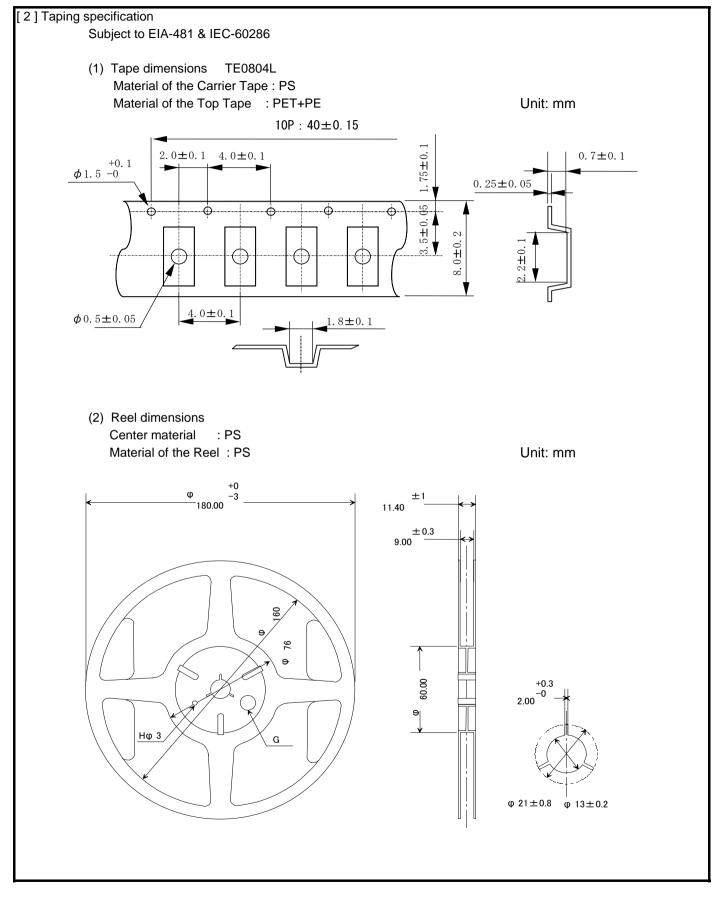
#### 5.Packing information

[ 1 ]Product number last 2 digits code (xx) description

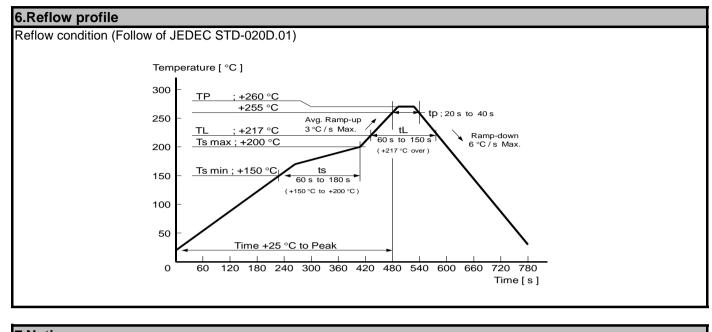
The recommended code is "18"

Code Condition		Code	Condition
01 Any Q'ty vinyl bag	g(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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