# MHz Range Crystal unit

## SEIKO EPSON CORPORATION

## FA2016AN

## Product name FA2016AN 32.000000 MHz 10.0 +10.0-10.0 Product Number / Ordering code X1E0003510022xx

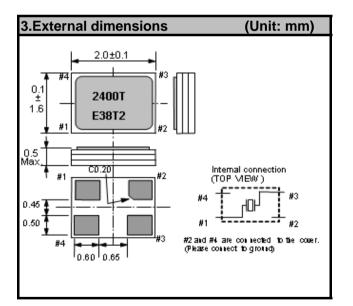
Please refer to the 5.Packing information about xx (last 2 digits)

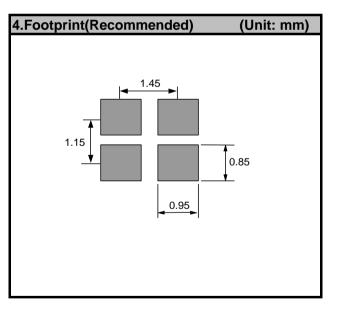
Pb free / Complies with EU RoHS directive

Reference weight Typ. 6 mg
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1.Absolute maximum ratings	i i i i i i i i i i i i i i i i i i i					
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks
Storage temperature	T_stg	-40	-	+125	°C	Storage as single product

2.Specifications(characteri	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- <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	-	2.484	-	fF	
Motional inductance	L1	-	9.958	-	mH	
Shunt capacitance	C0	-	0.70	-	pF	
Frequency aging	f_age	-1	—	1	x10 <sup>-6</sup> /yea	@+25°C, First year



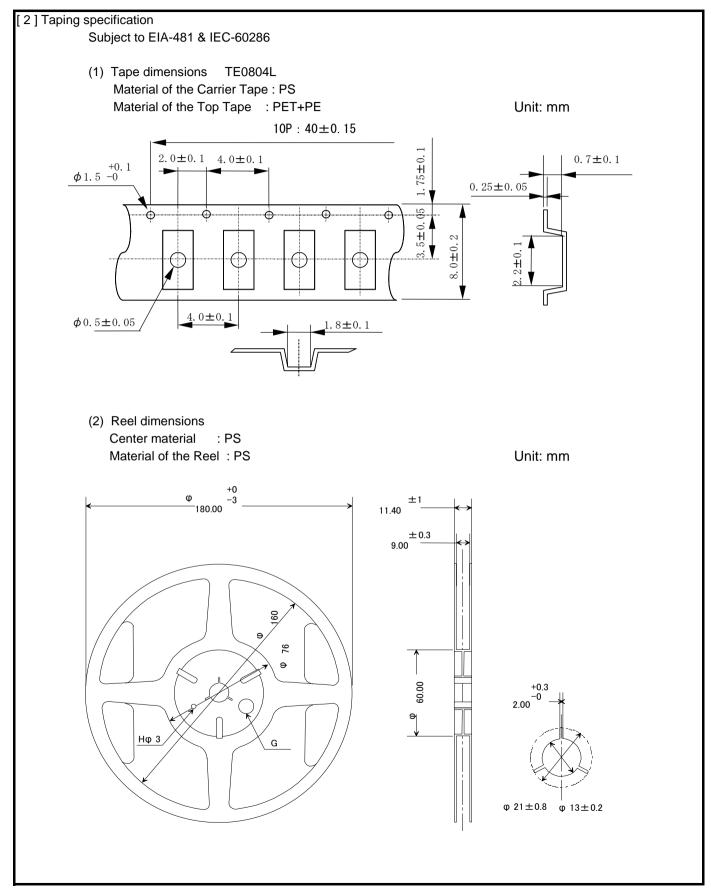


The recommended code is "18"

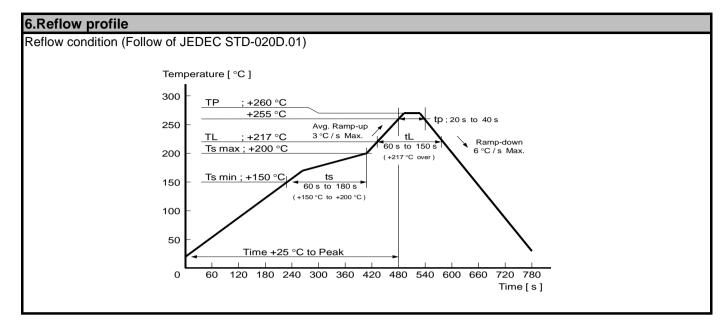
#### 5.Packing information

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

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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