# MHz Range Crystal unit

## FA-118T

### SEIKO EPSON CORPORATION

## Product name FA-118T 40.000000 MHz 12.0 +10.0-10.0 Product Number / Ordering code X1E0002510190xx

E0002510190XX

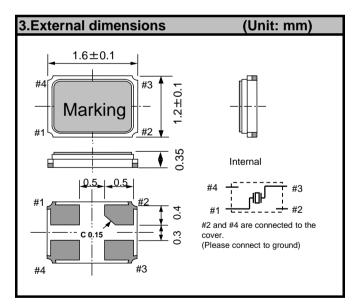
Please refer to the 5.Packing information about xx (last 2 digits)

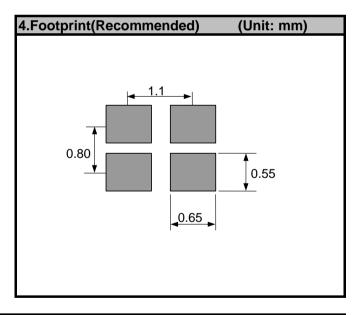
Pb free / Complies with EU RoHS directive

Reference weight Typ. 3 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	

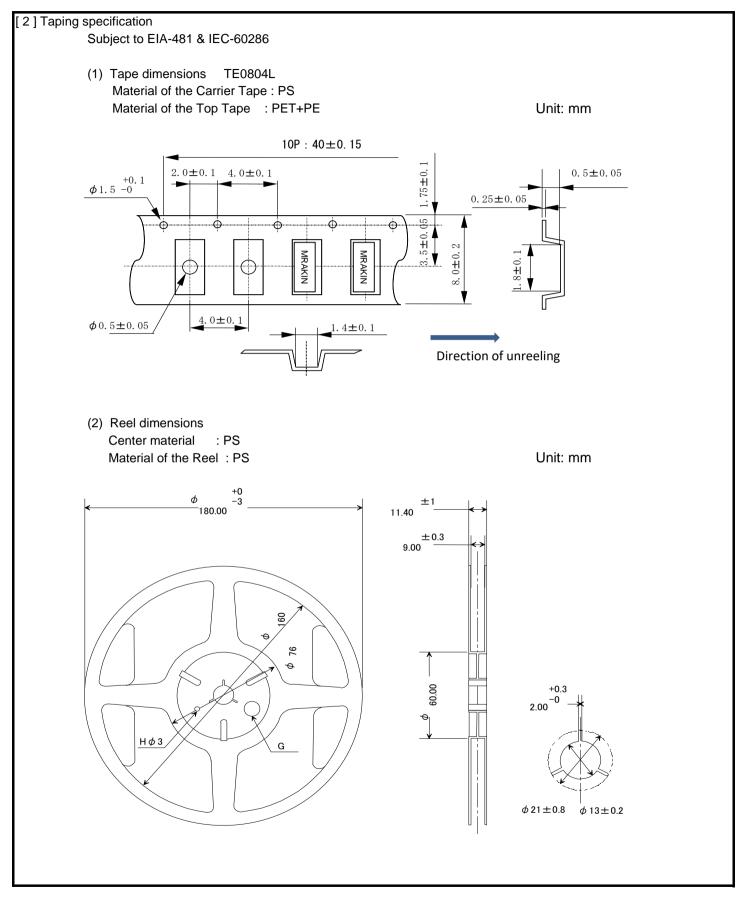
2.Specifications(characteristics)						
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks
Nominal frequency	f_nom	—	40.000000	_	MHz	Fundamental
Frequency tolerance	f_tol	-10	-	+10	x 10- <sup>6</sup>	@+25°C
Frequency Stability over temperature	f_tem	-10	-	+10	x 10 <sup>-6</sup>	-30ºC to +85ºC
Operating temperature	T_use	-30	-	+85	°C	
Level of drive	DL	10	-	100	μW	
Load capacitance	CL	-	12	—	pF	
Motional resistance (ESR)	R1	-	-	80	Ω	
Motional capacitance	C1	-	1.12	-	fF	
Motional inductance	L1	-	14.14	-	mH	
Shunt capacitance	C0	-	0.35	-	pF	
Frequency aging	f_age	-1	—	+1	x10 <sup>-6</sup> /yea	@+25°C, First year



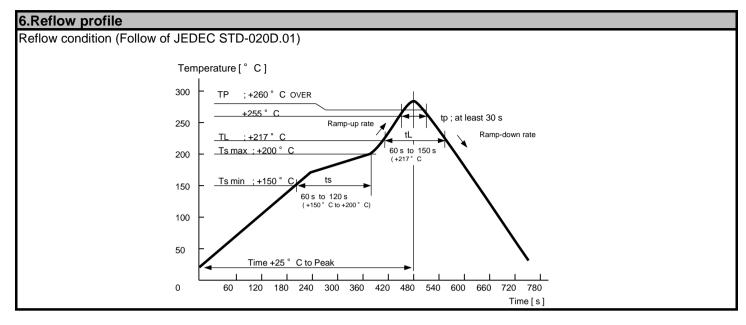


5.Packing	informatio	on			
[1]Product	1 ]Product number last 2 digits code (xx) description				
	X1E00025	10190xx			_
	Code	Condition	Code	Condition	
	01	Any Q'ty vinyl bag(Tape cut)	00	3000pcs / Reel	
	11	Any Q'ty / Reel			
	12	250pcs / Reel			
	14	1000pcs / Reel			

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  - / Traffic control equipment
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