# MHz Range Crystal unit

## FA-118T

## Product name FA-118T 32.00000 MHz 6.0 +10.0-10.0 Product Number / Ordering code X1E0002510197xx

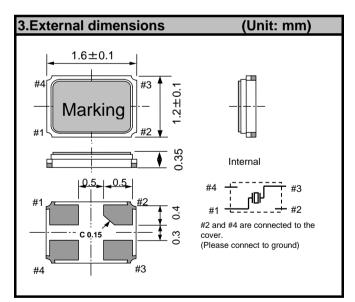
Please refer to the 5.Packing information about xx (last 2 digits)

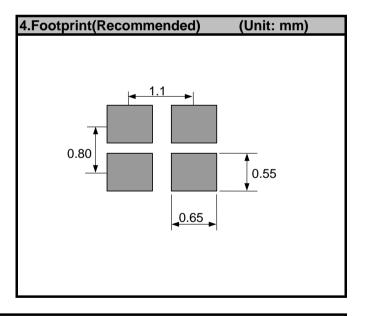
Pb free / Complies with EU RoHS directive

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	

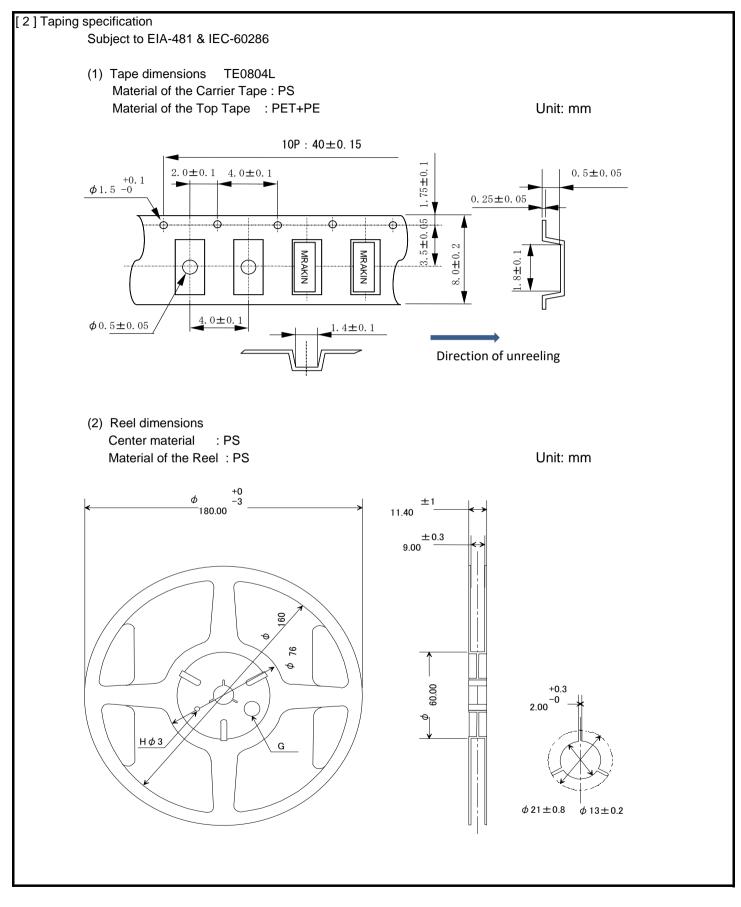
2.Specifications(characteristics)							
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks	
Nominal frequency	f_nom	_	32.000000	_	MHz	Fundamental	
Frequency tolerance	f_tol	-10	-	+10	x 10- <sup>6</sup>	@+25°C	
Frequency Stability over temperature	f_tem	-10	-	+10	x 10 <sup>-6</sup>	-20ºC to +75ºC	
Operating temperature	T_use	-20	-	+75	°C		
Level of drive	DL	10	-	100	μW		
Load capacitance	CL	_	6	_	pF		
Motional resistance (ESR)	R1	-	-	100	Ω		
Motional capacitance	C1	-	1.26	-	fF		
Motional inductance	L1	-	19.63	-	mH		
Shunt capacitance	C0	-	0.47	-	рF		
Frequency aging	f_age	-1	—	+1	x10 <sup>-6</sup> /yea	@+25°C, First year	



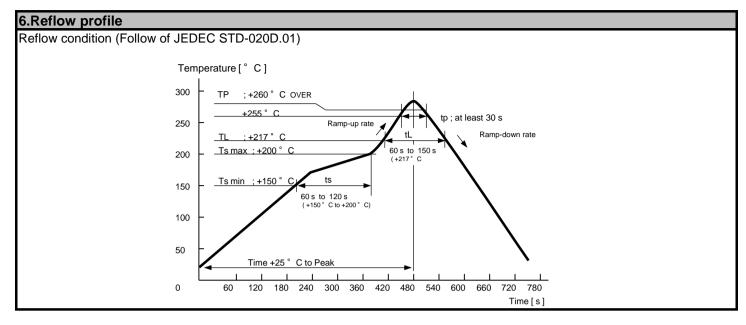


5.Packing	informati	on				
[1]Product	1 ]Product number last 2 digits code (xx) description		The recommended code is "00"			
	X1E00025	510197xx				
	Code	Condition	Code	Condition		
	01	Any Q'ty vinyl bag(Tape cut)	00	3000pcs / Reel		
	11	Any Q'ty / Reel				
	12	250pcs / Reel				
	14	1000pcs / Reel				

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  - / Fire work equipment and security equipment
  - / Traffic control equipment
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