# Product nameTSX-322548.000000 MHz 10.0 +10.0-10.0Product Number / Ordering codeX1E0000210834xx

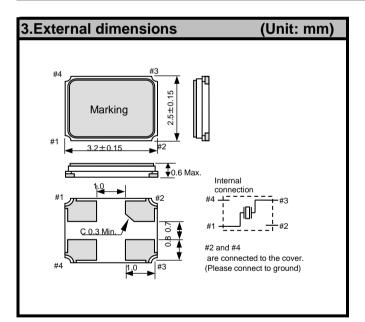
Please refer to the 5.Packing information about xx (last 2 digits)

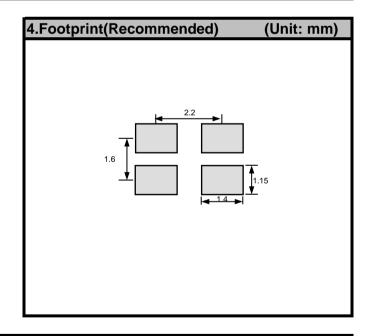
Pb free / Complies with EU RoHS directive

Reference	weight Ty	/p. 17 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
Operating temperature	T_use	-40	-	+105	°C	

2.Specifications(characteristics)						
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks
Nominal frequency	f_nom		48.000000	_	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	200	μW	
Load capacitance	CL	_	10	—	pF	
Motional resistance (ESR)	R1	-	-	40	Ω	
Motional capacitance	C1	-	7.32	-	fF	
Motional inductance	L1	-	1.50	-	mH	
Shunt capacitance	C0	-	2.07	-	pF	
Frequency aging	f_age	-2	_	+2	x10 <sup>-6</sup> /yea	@+25°C, First year





The recommended code is "17"

## 5.Packing information

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

X1E0000210834XX						
Code	Condition	Code	Condition			
01	Any Q'ty vinyl bag(Tape cut)	00	2000pcs / Reel			
11	Any Q'ty / Reel	16	3000pcs / Reel			
12	250pcs / Reel	17	4000pcs / Reel			
14	1000pcs / Reel					



### 6.Reflow profile

Reflow condition (Follow of JEDEC STD-020D.01)



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