Product nameTSX-322548.000000 MHz 12.0 +10.0-10.0Product Number / Ordering codeX1E0000211059xx

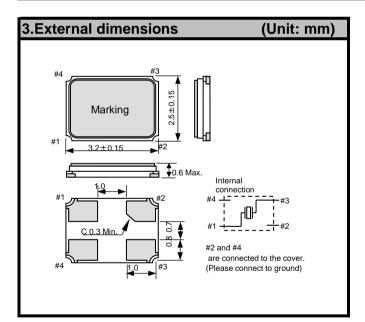
Please refer to the 5.Packing information about xx (last 2 digits)

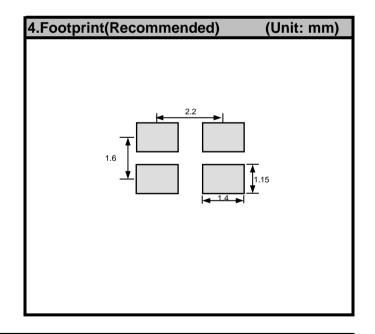
Pb free / Complies with EU RoHS directive

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	I	+125	°C	Storage as single product	
Operating temperature	T_use	-40	I	+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- ⁶	@+25°C
Frequency Stability over temperature	f_tem	-20	-	+20	x 10 ⁻⁶	-40ºC to +85ºC
Operating temperature	T_use	-40	-	+85	°C	
Level of drive	DL	10	100	200	μW	
Load capacitance	CL	_	12	—	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 ⁻⁶ /yea	@+25°C, First year





The recommended code is "17"

5.Packing information

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

X1E0000211059xx Condition Condition Code Code Any Q'ty vinyl bag(Tape cut) 2000pcs / Reel 01 00 3000pcs / Reel 11 Any Q'ty / Reel 16 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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