

Product name TSX-3225 25.000000 MHz 18.0 +10.0-10.0

Product Number / Ordering code X1E0000210518xx

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

Pb free / Complies with EU RoHS directive

Reference weight Typ. 17 mg

**1. Absolute maximum ratings**

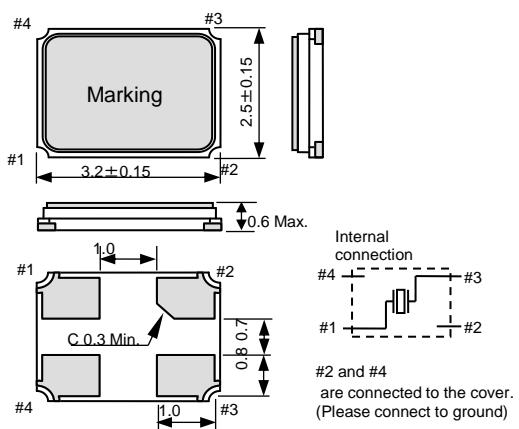
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions / Remarks
Storage temperature	T_stg	-40	-	+125	°C	Storage as single product
Operating temperature	T_use	-40	-	+105	°C	

**2.Specifications(characteristics)**

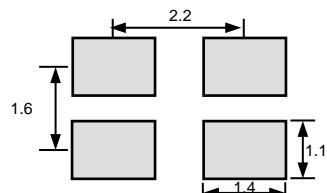
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions / Remarks
Nominal frequency	f_nom	—	25.000000	—	MHz	Fundamental
Frequency tolerance	f_tol	-10	—	+10	$\times 10^{-6}$	@+25°C
Frequency Stability over temperature	f_tem	-10	—	+10	$\times 10^{-6}$	-20°C to +85°C
Operating temperature	T_use	-20	—	+85	°C	
Level of drive	DL	10	100	200	μW	
Load capacitance	CL	—	18	—	pF	
Motional resistance (ESR)	R1	—	-	40	Ω	
Motional capacitance	C1	-	3.78	-	fF	
Motional inductance	L1	-	10.72	-	mH	
Shunt capacitance	C0	-	1.39	-	pF	
Frequency aging	f_age	-1	—	+1	$\times 10^{-6}$ /yea	@+25°C, First year

**3.External dimensions**

(Unit: mm)

**4.Footprint(Recommended)**

(Unit: mm)

**5.Packing information**

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

X1E0000210518xx

The recommended code is "17"

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		

## [ 2 ] Taping specification

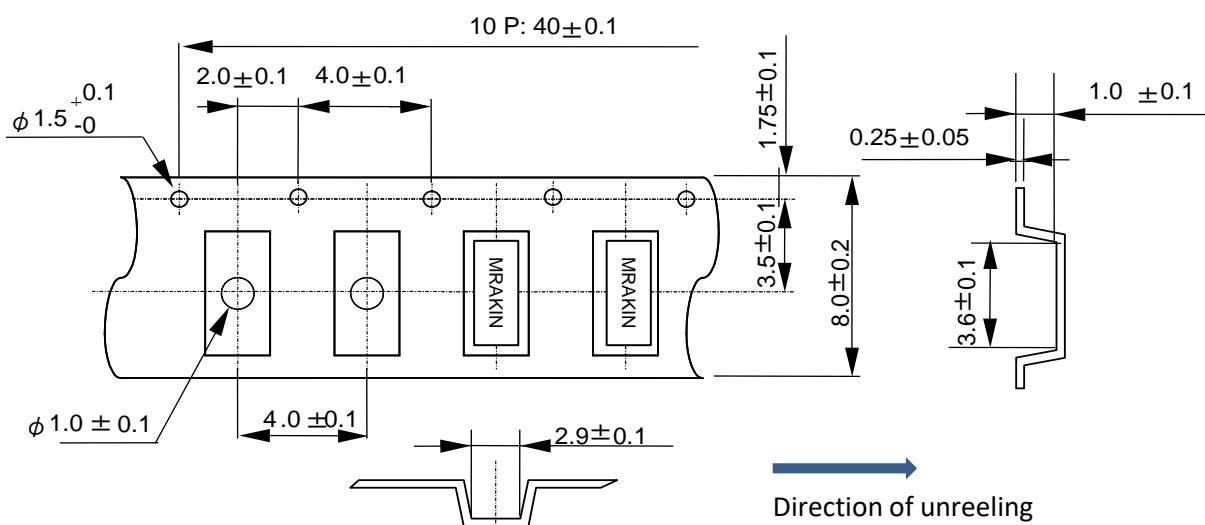
Subject to EIA-481 &amp; IEC-60286

## (1) Tape dimensions TE0804L

Material of the Carrier Tape : PS

Material of the Top Tape : PET+PE

Unit: mm

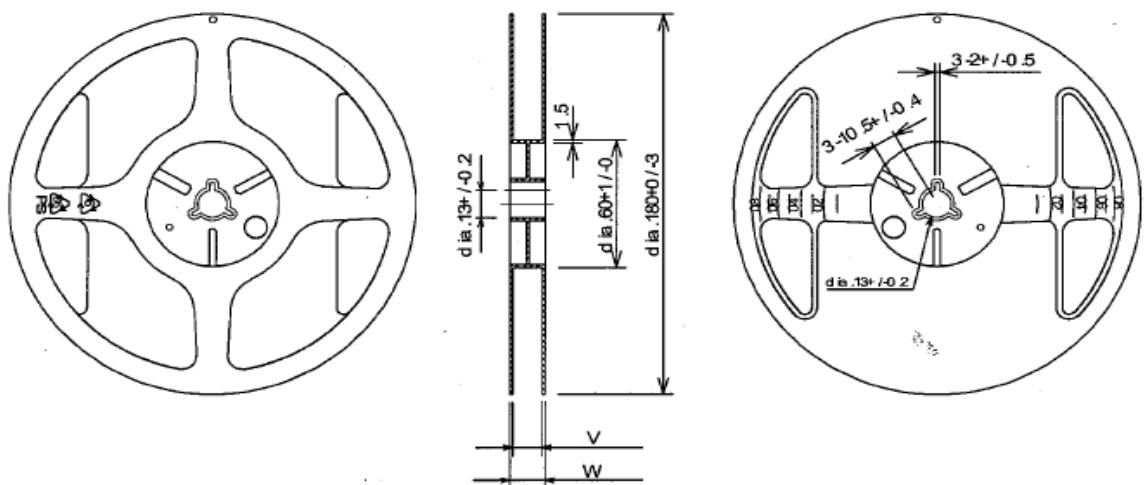


## (2) Reel dimensions

Center material : PS

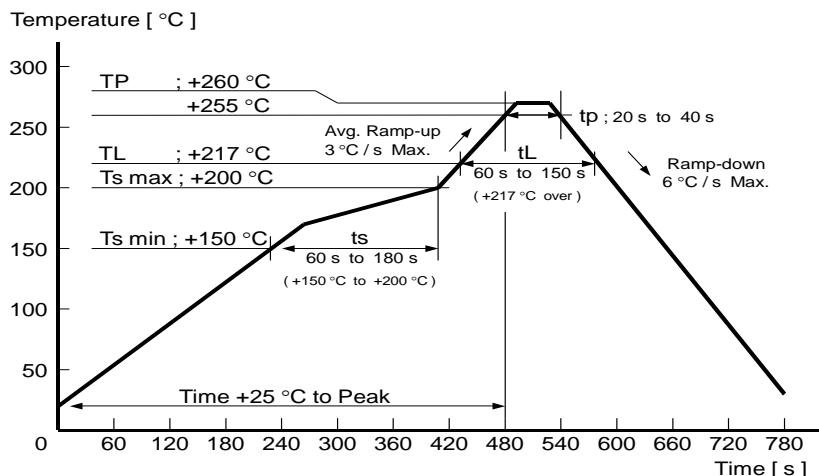
Material of the Reel : PS

Unit: mm



## 6.Reflow profile

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



## 7.Notice

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