

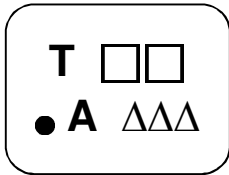


1. The product meets RoHS Directives.
2. Aurum Part Number : TD3SWC80160000
3. Holder Type : T3225B
4. Center Frequency : 16.000 MHz (Freq. code : " W ")
5. Temperature Range
  - 5.1. Operating Temperature : -30 ~ 85 deg.C
  - 5.2. Storage Temperature : a. 25+/-5 deg.C / 45+/-15% R.H.  
b. -40 ~ 85 deg.C
6. Supply Voltage : 3.3 Vdc +/- 5%
7. Consumption current : 1.5 mA max.
8. Frequency Stability
  - 8.1 Tolerance (at 25+/-3 deg.C) : +/-2.0 ppm max.
  - 8.2 Stability : +/-2.0 ppm max. over item 5.1
  - 8.3 Vs. supply voltage drift : +/-0.2 ppm max.
  - 8.4 Vs. load drift : +/-0.2 ppm max.
  - 8.5 Aging : +/-1.0 ppm max. / per year
9. Output
  - 9.1 Output Load : Resistance / 10K ohm // 10pF +/- 10%
  - 9.2 Waveform : Clipped Sine
  - 9.3 Voltage Leve : 0.8 Vp-p min.

Rev.	Date	Remark		
1	2013/05/28	First Edition		
			<b>Prepared</b>	cindy
			<b>Checked</b>	cindy
			<b>Approved</b>	cindy



### > Marking



**"T"** : Product type (TCXO)

**□□** : Frequency Code

1~2 Characters(refer to specification)

**"●"** : Pin 1 direction

**"A"** : Brand

**△△△** : Lot No. , 3 Characters

character 1 : Year code (refer to Table 1)

character 2 : Week code (refer to Table 2)

character 3 : Prouction line code

**Table 2**

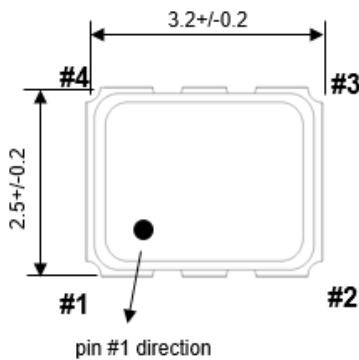
Week	1	2	3	4	5	6	7	8	9	10	11	12	13
Code	A	B	C	D	E	F	G	H	I	J	K	L	M
Week	14	15	16	17	18	19	20	21	22	23	24	25	26
Code	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Week	27	28	29	30	31	32	33	34	35	36	37	38	39
Code	a	b	c	d	e	f	g	h	i	j	k	l	m
Week	40	41	42	43	44	45	46	47	48	49	50	51	52
Code	n	o	p	q	r	s	t	u	v	w	x	y	z

**Table 1**

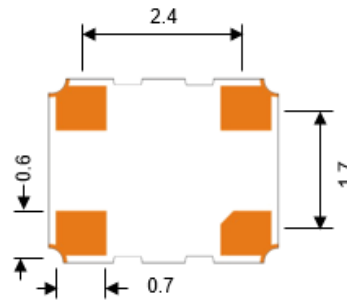
Year	2011	2012	2013	2014	2015
Code	1	2	3	4	5
Year	2016	2017	2018	2019	2020
Code	6	7	8	9	0

### > Dimension

< Top View >



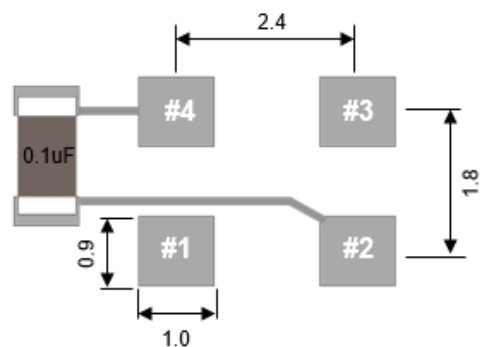
< Bottom View >



< Side View >



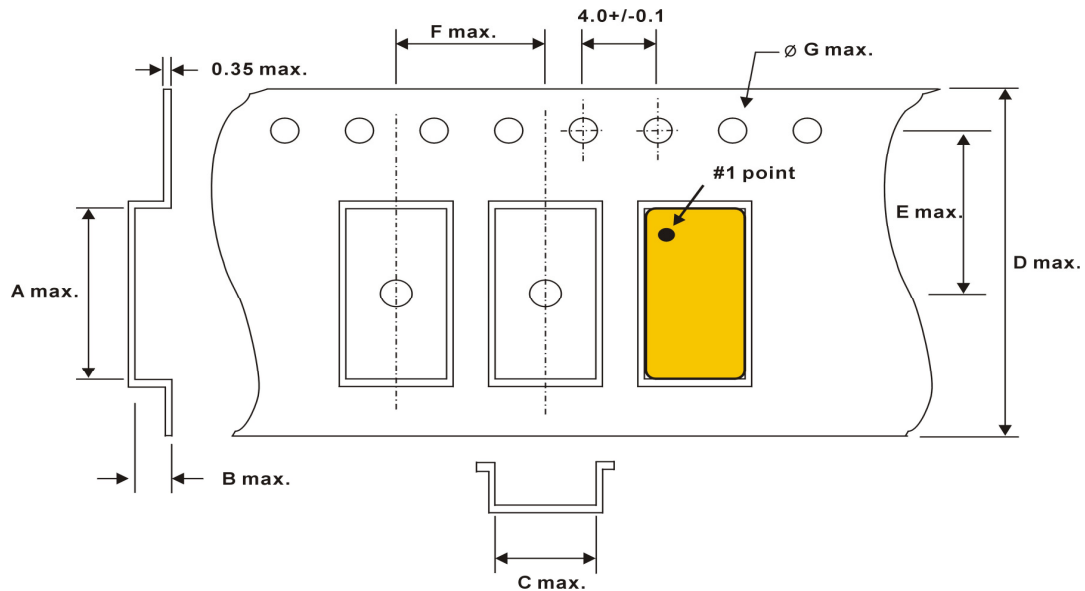
< Pad pattern >



Pad connections		
Pin	CMOS	Clipped sine
#1	NC or Tri-state	Gnd or NC : TCXO Vcon : VCTCXO
#2	Ground	Ground
#3	Output	Output
#4	+Vcc	+Vcc

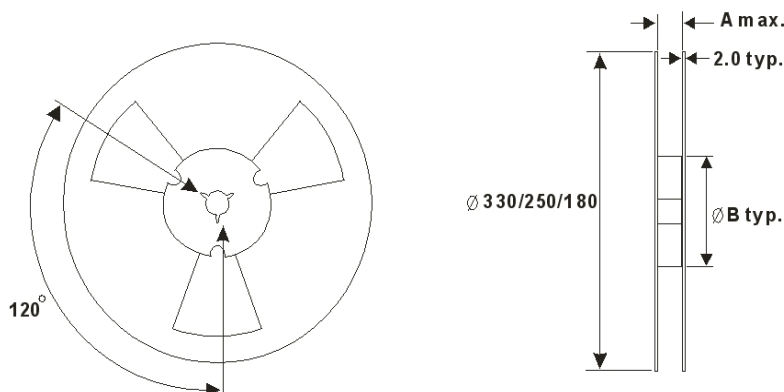


**> TAPE Dimensions (mm)**



Series	A	B	C	D	E	F	G
VT/T 5032	5.74	2.00	3.80	12.00	5.50	8.00	1.50
VT/T 3225	3.70	1.75	2.80	8.00	3.50	4.00	1.50
VT/T 2520	2.70	1.15	2.25	8.00	3.50	4.00	1.55
VT/T 2016	2.35	0.90	1.95	8.00	3.50	4.00	1.50

**> REEL Dimensions (mm)**



Series	A	B	Q'ty/Reel
VT/T 5032	16.5	62	1K
VT/T 3225	9.0	62	3K
VT/T 2520	9.0	62	3K
VT/T 2016	8.0	62	3K