

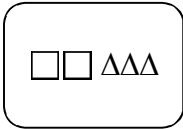


- 1. The product meets RoHS Directives.
- 2. Aurum Part Number : XDT46C05000080
- 3. Holder Type : X2016
- 4. Center Frequency (CF) : 50.000 MHz (Freq. code : "AZ")
- 5. Oscillation mode / Blank cut mode : Fundamental / AT-Cut
- 6. Frequency Tolerance (at 25+/-3 deg.C) : +/- 10 ppm max.
- 7. Frequency Stability : +/- 20 ppm max.  
 ( over operating temperature)
- 8. Operating Temperature : -40 ~ 85 deg.C
- 9. Storage Temperature : a. 25+/-5 deg.C / 45+/-15% R.H.  
 b. -55 ~ 125 deg.C
- 10. Equivalent series resistance(ESR) : 60 ohm max.
- 11. Load Capacitance (CL) : 8.0 +/-0.1 pF
- 12. Shunt capacitance (C0) : 2.0 pF max.
- 13. Drive Level (DL) : 50 uW typ.
- 14. Aging : +/- 3.0 ppm max.
- 15. Insulation resistance : 500M ohm min. at D.C 100V

| Rev. | Date       | Remark        |                 |       |
|------|------------|---------------|-----------------|-------|
| 1    | 2015/03/31 | First Edition |                 |       |
|      |            |               | <b>Prepared</b> | cindy |
|      |            |               | <b>Checked</b>  | cindy |
|      |            |               | <b>Approved</b> | cindy |



### > Marking



□□ : **Frequency Code**

1~2 Characters(refer to specification)

△△△ : **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 1**

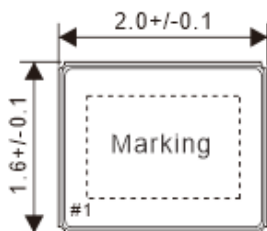
|      |      |      |      |      |      |
|------|------|------|------|------|------|
| Year | 2021 | 2022 | 2023 | 2024 | 2025 |
| Code | 1    | 2    | 3    | 4    | 5    |
| Year | 2026 | 2027 | 2028 | 2029 | 2030 |
| Code | 6    | 7    | 8    | 9    | 0    |

**Table 2**

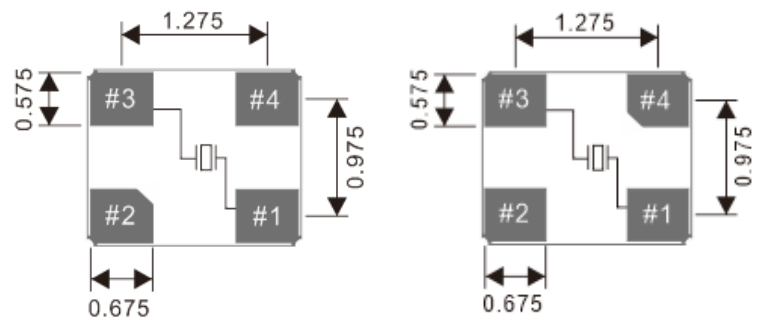
|      |    |    |    |    |    |    |    |    |    |    |    |    |    |
|------|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Week | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 |
| Code | A  | B  | C  | D  | E  | F  | G  | H  | I  | J  | K  | L  | M  |
| Week | 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  |

### > Dimension

< Top View >



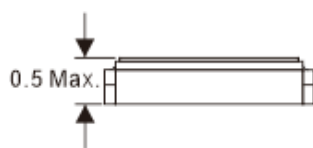
< Bottom View >



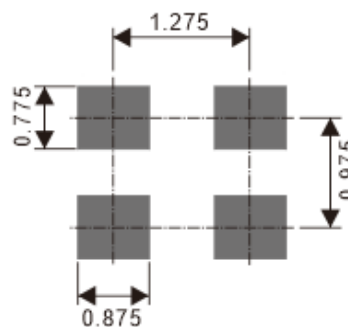
Base1

Base2

< Side View >

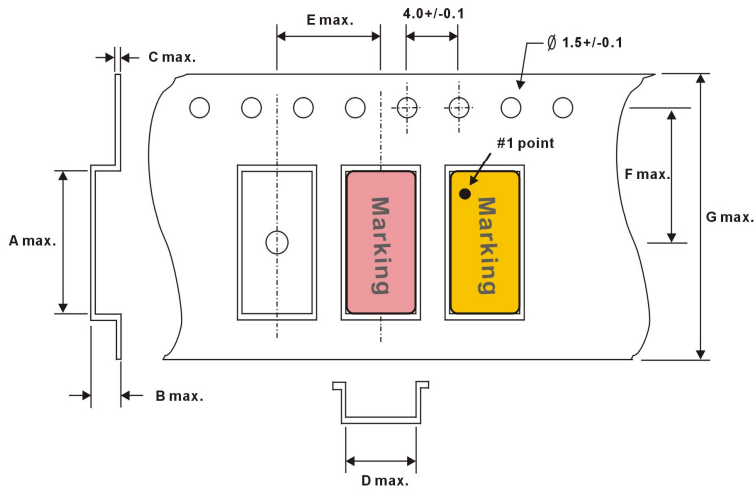


< Pad Pattern >



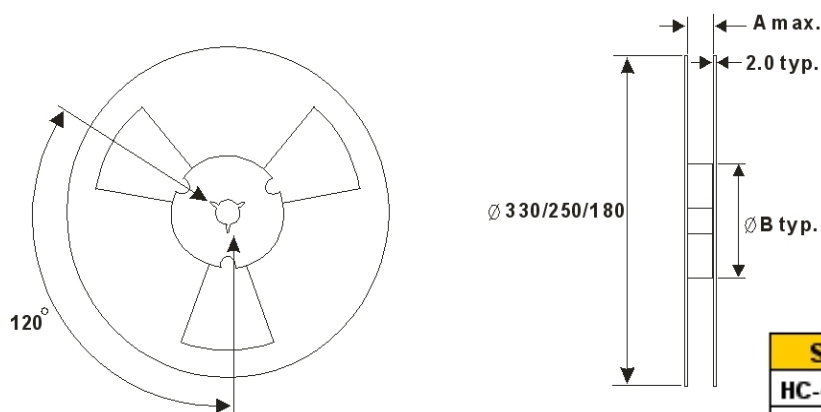


> TAPE Dimensions (mm)



| Series     | A    | B    | C    | D    | E   | F       | G        | #1 point |
|------------|------|------|------|------|-----|---------|----------|----------|
| HC-49S SMD | 14.5 | 5    | 0.5  | 6    | 12  | 11.6    | 24.5     | X        |
| X8045      | 8.6  | 2.5  | 0.4  | 4.1  | 8   | 7.6     | 16.5     | V        |
| X7050      | 8.0  | 2.1  | 0.4  | 5.6  | 8.0 | 7.6     | 16.5     | V        |
| X6035      | 6.5  | 1.5  | 0.4  | 4.0  | 8.0 | 5.6     | 16.5     | V        |
| X5032      | 5.6  | 1.5  | 0.4  | 3.6  | 8.0 | 5.6     | 12.5     | V        |
| X4025      | 4.5  | 1.5  | 0.4  | 3.0  | 4.0 | 5.6     | 12.5     | V        |
| X3225      | 3.6  | 1.5  | 0.3  | 2.9  | 4.0 | 3.5/5.5 | 8.0/12.0 | V        |
| X2520      | 2.7  | 1.15 | 0.25 | 2.25 | 4.0 | 3.5     | 8.0      | X        |
| X2016      | 2.3  | 1.0  | 0.25 | 1.9  | 4.0 | 3.5     | 8.0      | X        |

> REEL Dimensions (mm)



| Series     | A       | B   | Q'ty/Reel |
|------------|---------|-----|-----------|
| HC-49S SMD | 27      | 100 | 1K        |
| X8045      | 16.5    | 80  | 1K        |
| X7050      | 16.5    | 62  | 1K        |
| X6035      | 16.5    | 62  | 1K        |
| X5032      | 12.5    | 62  | 1K        |
| X4025      | 12.5    | 60  | 1k        |
| X3225      | 10/12.5 | 60  | 3K        |
| X2520      | 10/12.5 | 60  | 3K        |
| X2016      | 10/12.5 | 60  | 3K        |