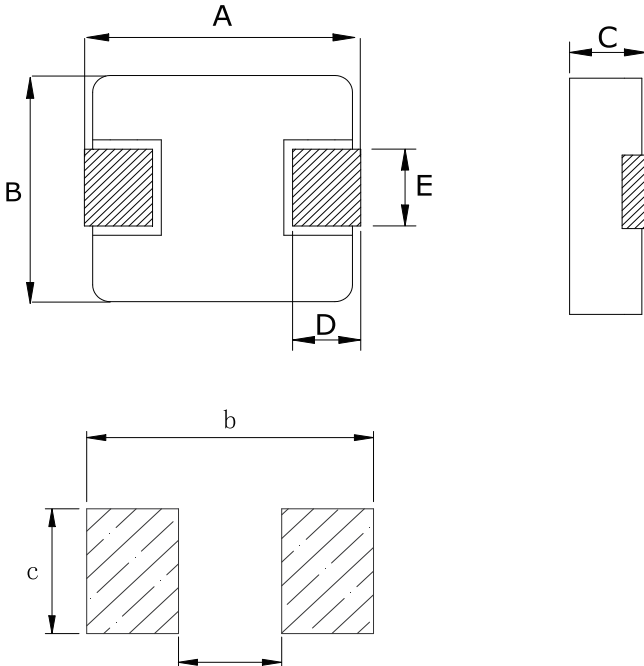
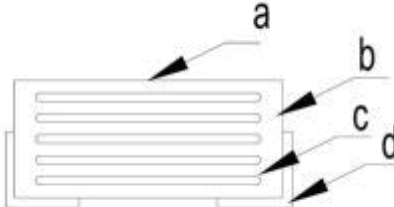
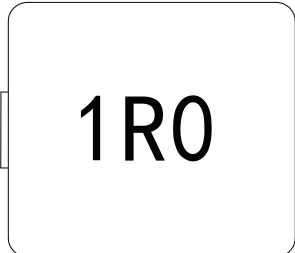


|                                                                                                                                                                                                                                                                                                                    |         |                                                                                                                                                                                                                                                   |         |              |       |                   |       |                                                                                       |  |           |  |                               |  |             |  |   |   |   |   |   |       |       |       |         |         |         |         |         |     |     |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|-------|-------------------|-------|---------------------------------------------------------------------------------------|--|-----------|--|-------------------------------|--|-------------|--|---|---|---|---|---|-------|-------|-------|---------|---------|---------|---------|---------|-----|-----|-----|
| 1                                                                                                                                                                                                                                                                                                                  |         | 2                                                                                                                                                                                                                                                 |         | 3            |       | 4                 |       | 5                                                                                     |  | 6         |  | 7                             |  | 8           |  |   |   |   |   |   |       |       |       |         |         |         |         |         |     |     |     |
| REACH & RoHS COMPLIANT                                                                                                                                                                                                                                                                                             |         |                                                                                                                                                                                                                                                   |         |              |       |                   |       |                                                                                       |  |           |  |                               |  |             |  |   |   |   |   |   |       |       |       |         |         |         |         |         |     |     |     |
| introduction                                                                                                                                                                                                                                                                                                       |         | Dimensions (unit:mm)                                                                                                                                                                                                                              |         |              |       |                   |       |                                                                                       |  |           |  |                               |  |             |  |   |   |   |   |   |       |       |       |         |         |         |         |         |     |     |     |
| <ul style="list-style-type: none"><li>• ROHS, Halogen Free and REACH compliance</li><li>• High rated current</li><li>• 125℃ maximum total temperature operation</li><li>• 7.3×6.8×5.0mm maximum surface mount package</li><li>• Low core loss</li><li>• Ultra low buzz noise due to molding construction</li></ul> |         |                                                                                                                                                                |         |              |       |                   |       |                                                                                       |  |           |  |                               |  |             |  |   |   |   |   |   |       |       |       |         |         |         |         |         |     |     |     |
| Applications                                                                                                                                                                                                                                                                                                       |         |                                                                                                                                                                                                                                                   |         |              |       |                   |       |                                                                                       |  |           |  |                               |  |             |  |   |   |   |   |   |       |       |       |         |         |         |         |         |     |     |     |
| <ul style="list-style-type: none"><li>• Laptops and PCs</li><li>• Switch and servers</li><li>• Base stations</li><li>• DC/DC converters</li><li>• Battery powered devices</li><li>• SSD modules</li></ul>                                                                                                          |         |                                                                                                                                                                                                                                                   |         |              |       |                   |       |                                                                                       |  |           |  |                               |  |             |  |   |   |   |   |   |       |       |       |         |         |         |         |         |     |     |     |
| Product Identification                                                                                                                                                                                                                                                                                             |         |                                                                                                                                                                                                                                                   |         |              |       |                   |       |                                                                                       |  |           |  |                               |  |             |  |   |   |   |   |   |       |       |       |         |         |         |         |         |     |     |     |
| <div><div>YT</div><div>①</div></div> <div><div>0650</div><div>②</div></div> <div><div>--6R8</div><div>③</div></div> <div><div>M</div><div>④</div></div>                                                                                                                                                            |         |                                                                                                                                                                                                                                                   |         |              |       |                   |       |                                                                                       |  |           |  |                               |  |             |  |   |   |   |   |   |       |       |       |         |         |         |         |         |     |     |     |
| <div>① YT ----- Series name</div> <div>② 0650 ----- Dimension</div> <div>③ 6R8 ----- Inductance Value (6R8 = 6.8μH)</div> <div>④ M -----Inductance Tolerance ( M= ± 20% )</div>                                                                                                                                    |         | <table><tr><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>a typ</td><td>b typ</td><td>c typ</td></tr><tr><td>7.0±0.3</td><td>6.6±0.2</td><td>4.8±0.2</td><td>1.6±0.3</td><td>3.0±0.3</td><td>3.7</td><td>8.4</td><td>3.5</td></tr></table> |         |              |       |                   |       |                                                                                       |  |           |  |                               |  |             |  | A | B | C | D | E | a typ | b typ | c typ | 7.0±0.3 | 6.6±0.2 | 4.8±0.2 | 1.6±0.3 | 3.0±0.3 | 3.7 | 8.4 | 3.5 |
| A                                                                                                                                                                                                                                                                                                                  | B       | C                                                                                                                                                                                                                                                 | D       | E            | a typ | b typ             | c typ |                                                                                       |  |           |  |                               |  |             |  |   |   |   |   |   |       |       |       |         |         |         |         |         |     |     |     |
| 7.0±0.3                                                                                                                                                                                                                                                                                                            | 6.6±0.2 | 4.8±0.2                                                                                                                                                                                                                                           | 1.6±0.3 | 3.0±0.3      | 3.7   | 8.4               | 3.5   |                                                                                       |  |           |  |                               |  |             |  |   |   |   |   |   |       |       |       |         |         |         |         |         |     |     |     |
| <div><div>VOOHU</div><div>苏州沃虎电子科技有限公司</div><div>Su Zhou Voohu Electronic Tech.Co.Ltd</div></div>                                                                                                                                                                                                                  |         | TITLE:<br>YT0650 Series                                                                                                                                                                                                                           |         | SIZE<br>A4   |       | UNITS<br>MM[INCH] |       | GENERAL TOLERANCES<br>UNLESS SPECIFIED                                                |  |           |  | APPROVED BY:<br>Geoffrey.Song |  |             |  |   |   |   |   |   |       |       |       |         |         |         |         |         |     |     |     |
|                                                                                                                                                                                                                                                                                                                    |         | PART NO.:<br>YT0650系列规格书                                                                                                                                                                                                                          |         | SACLE<br>1:1 |       | REV<br>A0         |       | x±0.35                                                                                |  | x°±3.0°   |  | CHECKED BY:<br>Elvis.Song     |  |             |  |   |   |   |   |   |       |       |       |         |         |         |         |         |     |     |     |
|                                                                                                                                                                                                                                                                                                                    |         |                                                                                                                                                                                                                                                   |         |              |       |                   |       | .x±0.30                                                                               |  | .x°±2.0°  |  |                               |  |             |  |   |   |   |   |   |       |       |       |         |         |         |         |         |     |     |     |
| TEL: +86 400 1048 018                                                                                                                                                                                                                                                                                              |         | WEB: WWW.WOHU-TEK.COM                                                                                                                                                                                                                             |         | REMARK:      |       | SHEET<br>1/7      |       |  |  | .xx±0.25  |  | .xx°±1.5°                     |  | DESIGND BY: |  |   |   |   |   |   |       |       |       |         |         |         |         |         |     |     |     |
|                                                                                                                                                                                                                                                                                                                    |         |                                                                                                                                                                                                                                                   |         |              |       |                   |       |                                                                                       |  | .xxx±0.10 |  | .xxx°±1.0°                    |  | Sunny.Xu    |  |   |   |   |   |   |       |       |       |         |         |         |         |         |     |     |     |

|                                                                                                                                                                                                                           |                       |                                                                                     |              |                                                                                       |                                        |                         |                               |     |       |     |        |                                                                                                                                                                                                                                                                                                                                   |  |  |  |        |            |          |   |         |             |   |      |                     |   |      |                          |   |          |                       |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------|----------------------------------------|-------------------------|-------------------------------|-----|-------|-----|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--------|------------|----------|---|---------|-------------|---|------|---------------------|---|------|--------------------------|---|----------|-----------------------|--|--|
| 1                                                                                                                                                                                                                         | 2                     | 3                                                                                   | 4            | 5                                                                                     | 6                                      | 7                       | 8                             |     |       |     |        |                                                                                                                                                                                                                                                                                                                                   |  |  |  |        |            |          |   |         |             |   |      |                     |   |      |                          |   |          |                       |  |  |
| REACH & RoHS<br>COMPLIANT                                                                                                                                                                                                 |                       |                                                                                     |              |                                                                                       |                                        |                         |                               |     |       |     |        |                                                                                                                                                                                                                                                                                                                                   |  |  |  |        |            |          |   |         |             |   |      |                     |   |      |                          |   |          |                       |  |  |
| Marking                                                                                                                                                                                                                   |                       | Structure and Components                                                            |              |                                                                                       |                                        |                         |                               |     |       |     |        |                                                                                                                                                                                                                                                                                                                                   |  |  |  |        |            |          |   |         |             |   |      |                     |   |      |                          |   |          |                       |  |  |
| The inductor is marked with a 3-digit code                                                                                                                                                                                |                       |                                                                                     |              |                                                                                       |                                        |                         |                               |     |       |     |        |                                                                                                                                                                                                                                                                                                                                   |  |  |  |        |            |          |   |         |             |   |      |                     |   |      |                          |   |          |                       |  |  |
| <table><tr><td colspan="2">Nominal Inductance</td></tr><tr><td>Example</td><td>Nominal Value</td></tr><tr><td>1R0</td><td>1.0 μH</td></tr><tr><td>100</td><td>10 μH</td></tr><tr><td>101</td><td>100 μH</td></tr></table> |                       | Nominal Inductance                                                                  |              | Example                                                                               | Nominal Value                          | 1R0                     | 1.0 μH                        | 100 | 10 μH | 101 | 100 μH | <table><tr><td>Symbol</td><td>Components</td><td>Material</td></tr><tr><td>a</td><td>MARKING</td><td>Ink (black)</td></tr><tr><td>b</td><td>CORE</td><td>Alloy Sponge Powder</td></tr><tr><td>c</td><td>WIRE</td><td>Polyurethane copper wire</td></tr><tr><td>d</td><td>Terminal</td><td>Copper plated with Sn</td></tr></table> |  |  |  | Symbol | Components | Material | a | MARKING | Ink (black) | b | CORE | Alloy Sponge Powder | c | WIRE | Polyurethane copper wire | d | Terminal | Copper plated with Sn |  |  |
| Nominal Inductance                                                                                                                                                                                                        |                       |                                                                                     |              |                                                                                       |                                        |                         |                               |     |       |     |        |                                                                                                                                                                                                                                                                                                                                   |  |  |  |        |            |          |   |         |             |   |      |                     |   |      |                          |   |          |                       |  |  |
| Example                                                                                                                                                                                                                   | Nominal Value         |                                                                                     |              |                                                                                       |                                        |                         |                               |     |       |     |        |                                                                                                                                                                                                                                                                                                                                   |  |  |  |        |            |          |   |         |             |   |      |                     |   |      |                          |   |          |                       |  |  |
| 1R0                                                                                                                                                                                                                       | 1.0 μH                |                                                                                     |              |                                                                                       |                                        |                         |                               |     |       |     |        |                                                                                                                                                                                                                                                                                                                                   |  |  |  |        |            |          |   |         |             |   |      |                     |   |      |                          |   |          |                       |  |  |
| 100                                                                                                                                                                                                                       | 10 μH                 |                                                                                     |              |                                                                                       |                                        |                         |                               |     |       |     |        |                                                                                                                                                                                                                                                                                                                                   |  |  |  |        |            |          |   |         |             |   |      |                     |   |      |                          |   |          |                       |  |  |
| 101                                                                                                                                                                                                                       | 100 μH                |                                                                                     |              |                                                                                       |                                        |                         |                               |     |       |     |        |                                                                                                                                                                                                                                                                                                                                   |  |  |  |        |            |          |   |         |             |   |      |                     |   |      |                          |   |          |                       |  |  |
| Symbol                                                                                                                                                                                                                    | Components            | Material                                                                            |              |                                                                                       |                                        |                         |                               |     |       |     |        |                                                                                                                                                                                                                                                                                                                                   |  |  |  |        |            |          |   |         |             |   |      |                     |   |      |                          |   |          |                       |  |  |
| a                                                                                                                                                                                                                         | MARKING               | Ink (black)                                                                         |              |                                                                                       |                                        |                         |                               |     |       |     |        |                                                                                                                                                                                                                                                                                                                                   |  |  |  |        |            |          |   |         |             |   |      |                     |   |      |                          |   |          |                       |  |  |
| b                                                                                                                                                                                                                         | CORE                  | Alloy Sponge Powder                                                                 |              |                                                                                       |                                        |                         |                               |     |       |     |        |                                                                                                                                                                                                                                                                                                                                   |  |  |  |        |            |          |   |         |             |   |      |                     |   |      |                          |   |          |                       |  |  |
| c                                                                                                                                                                                                                         | WIRE                  | Polyurethane copper wire                                                            |              |                                                                                       |                                        |                         |                               |     |       |     |        |                                                                                                                                                                                                                                                                                                                                   |  |  |  |        |            |          |   |         |             |   |      |                     |   |      |                          |   |          |                       |  |  |
| d                                                                                                                                                                                                                         | Terminal              | Copper plated with Sn                                                               |              |                                                                                       |                                        |                         |                               |     |       |     |        |                                                                                                                                                                                                                                                                                                                                   |  |  |  |        |            |          |   |         |             |   |      |                     |   |      |                          |   |          |                       |  |  |
| Note : Using Ink for marking                                                                                                                                                                                              |                       |  |              |                                                                                       |                                        |                         |                               |     |       |     |        |                                                                                                                                                                                                                                                                                                                                   |  |  |  |        |            |          |   |         |             |   |      |                     |   |      |                          |   |          |                       |  |  |
|                                                                                                                                        |                       |                                                                                     |              |                                                                                       |                                        |                         |                               |     |       |     |        |                                                                                                                                                                                                                                                                                                                                   |  |  |  |        |            |          |   |         |             |   |      |                     |   |      |                          |   |          |                       |  |  |
| <div>VOOHU 苏州沃虎电子科技有限公司</div> <div>Su Zhou Voohu Electronic Tech.Co.Ltd</div>                                                                                                                                             |                       | TITLE:<br>YT0650 Series                                                             | SIZE<br>A4   | UNITS<br>MM[INCH]                                                                     | GENERAL TOLERANCES<br>UNLESS SPECIFIED |                         | APPROVED BY:<br>Geoffrey.Song |     |       |     |        |                                                                                                                                                                                                                                                                                                                                   |  |  |  |        |            |          |   |         |             |   |      |                     |   |      |                          |   |          |                       |  |  |
|                                                                                                                                                                                                                           |                       | PART NO.:<br>YT0650系列规格书                                                            | SACLE<br>1:1 | REV<br>A0                                                                             | x±0.35<br>.x±0.30                      | x°±3.0°<br>.x°±2.0°     | CHECKED BY:<br>Elvis.Song     |     |       |     |        |                                                                                                                                                                                                                                                                                                                                   |  |  |  |        |            |          |   |         |             |   |      |                     |   |      |                          |   |          |                       |  |  |
| TEL: +86 400 1048 018                                                                                                                                                                                                     | WEB: WWW.WOHU-TEK.COM | REMARK:                                                                             | SHEET<br>2/7 |  | .xx±0.25<br>.xxx±0.10                  | .xx°±1.5°<br>.xxx°±1.0° | DESIGND BY:<br>Sunny.Xu       |     |       |     |        |                                                                                                                                                                                                                                                                                                                                   |  |  |  |        |            |          |   |         |             |   |      |                     |   |      |                          |   |          |                       |  |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             |                          |               |                                                                                       |                                        |                         |                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------|---------------|---------------------------------------------------------------------------------------|----------------------------------------|-------------------------|-------------------------------|
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                                                           | 3                        | 4             | 5                                                                                     | 6                                      | 7                       | 8                             |
| REACH & RoHS<br>COMPLIANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                             |                          |               |                                                                                       |                                        |                         |                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Part No.                                                    | Inductance               | DC Resistance | Saturation Current                                                                    | Heating Rating<br>Current              |                         |                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             | L0 (μH)                  | DCR (mΩ)      | Isat (A)                                                                              | Irms (A)                               |                         |                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             | ±20 %, 100 kHz, 1V       | MAX.          | TYP.                                                                                  | TYP.                                   |                         |                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | WHYT0650-R47M                                               | 0.47                     | 3.9           | 21                                                                                    | 20                                     |                         |                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | WHYT0650-R68M                                               | 0.68                     | 4.5           | 18                                                                                    | 16.5                                   |                         |                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | WHYT0650-1R0M                                               | 1.0                      | 6.6           | 16                                                                                    | 12                                     |                         |                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | WHYT0650-1R5M                                               | 1.5                      | 10            | 13                                                                                    | 9.5                                    |                         |                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | WHYT0650-2R2M                                               | 2.2                      | 12.5          | 11                                                                                    | 9                                      |                         |                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | WHYT0650-3R3M                                               | 3.3                      | 22            | 10                                                                                    | 8.5                                    |                         |                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | WHYT0650-4R7M                                               | 4.7                      | 29            | 8                                                                                     | 6                                      |                         |                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | WHYT0650-6R8M                                               | 6.8                      | 41            | 6.3                                                                                   | 5.8                                    |                         |                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | WHYT0650-8R2M                                               | 8.2                      | 48            | 5.5                                                                                   | 5.5                                    |                         |                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | WHYT0650-100M                                               | 10                       | 60            | 5.3                                                                                   | 4.5                                    |                         |                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | WHYT0650-150M                                               | 15                       | 90            | 4                                                                                     | 3.1                                    |                         |                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | WHYT0650-220M                                               | 22                       | 140           | 3.5                                                                                   | 2.6                                    |                         |                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | WHYT0650-330M                                               | 33                       | 190           | 3                                                                                     | 2.3                                    |                         |                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | WHYT0650-470M                                               | 47                       | 230           | 2.6                                                                                   | 2                                      |                         |                               |
| <b>Notes</b><br>1. All test data is referenced to 25 °C ambient<br>2. Operating temperature range - 55 °C to + 125 °C<br>3. Irms (A):DC current (A) that will cause an approximate ΔT of 40 °C(reference ambient temperature is 25 °C)<br>4. Isat(A):DC current (A) that will cause L0 to drop approximately 30 %<br>5. The part temperature (ambient + temp rise) should not exceed 125 °C under worst case operating conditions.<br>Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions<br>all affect the part temperature. Part temperature should be verified in the end application. |                                                             |                          |               |                                                                                       |                                        |                         |                               |
|  <b>苏州沃虎电子科技有限公司</b><br>Su Zhou Voohu Electronic Tech.Co.Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                             | TITLE:<br>YT0650 Series  | SIZE<br>A4    | UNITS<br>MM[INCH]                                                                     | GENERAL TOLERANCES<br>UNLESS SPECIFIED |                         | APPROVED BY:<br>Geoffrey.Song |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             | PART NO.:<br>YT0650系列规格书 | SACLE<br>1:1  | REV<br>A0                                                                             | .x±0.35<br>.x±0.30                     | x°±3.0°<br>.x°±2.0°     | CHECKED BY:<br>Elvis.Song     |
| TEL: +86 400 1048 018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | WEB: <a href="http://WWW.WOHU-TEK.COM">WWW.WOHU-TEK.COM</a> | REMARK:                  | SHEET<br>3/7  |  | .xx±0.25<br>.xxx±0.10                  | .xx°±1.5°<br>.xxx°±1.0° | DESIGND BY:<br>Sunny.Xu       |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                                                           | 3                        | 4             |                                                                                       | 5                                      | 6                       | 7                             |

|                          |                                                                                           |   |   |                                                                                                                                                                                                  |   |   |   |   |
|--------------------------|-------------------------------------------------------------------------------------------|---|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|
|                          | 1                                                                                         | 2 | 3 | 4                                                                                                                                                                                                | 5 | 6 | 7 | 8 |
| REACH & RoHS COMPLIANT   |                                                                                           |   |   |                                                                                                                                                                                                  |   |   |   |   |
| Mechanical Reliability   |                                                                                           |   |   |                                                                                                                                                                                                  |   |   |   |   |
| Item                     | Specification and Requirement                                                             |   |   | Test Method                                                                                                                                                                                      |   |   |   |   |
| Solderability            | 1. No case deformation or change in apperance<br><br>2. New solder coverage More than 95% |   |   | 1.Preheat: 155℃±5℃ , 60S±2S<br>2.Tin: lead-free.<br>3.Temperature:240℃±5℃, flux 3.0S±0.5S.                                                                                                       |   |   |   |   |
| Mechanical shock         | 1. No case deformation or change in apperance<br><br>2. ΔL/Lo≦±10%                        |   |   | 1. Acceleration: 100G<br>2. Pulse time:: 6ms<br>3. 3 times in each positive and negative direction of 3 mutual perpendicular directions                                                          |   |   |   |   |
| Mechanical vibration     | 1. No case deformation or change in apperance<br><br>2. ΔL/Lo≦±10%                        |   |   | 1. Reflow: 2times<br>2. Frequency: 10HZ~55HZ~10HZ, 20 Min/Cycles<br>3. Amplitude: 1.52 mm<br>4. Directions: X,Y,Z<br>5. Time: 12 cycle / direction                                               |   |   |   |   |
| Endurance Reliability    |                                                                                           |   |   |                                                                                                                                                                                                  |   |   |   |   |
| Item                     | Specification and Requirement                                                             |   |   | Test Method                                                                                                                                                                                      |   |   |   |   |
| Thermal Shock            | Inductance change:<br>Within ± 10% Without distinct damage in appearance                  |   |   | 1. First -55℃ for 30 minutes, last 125℃ for 30 minutes as 1 cycle. Go through 1000 cycles.<br>2. Max transfer time is 3 minutes.<br>3. Measured at room temperature after placing for 24±2 hours |   |   |   |   |
| Humidity Resistance      | Inductance change:<br>Within ± 10% Without distinct damage in appearance                  |   |   | 1.Reflow 2 times,<br>2.85℃,85%RH,1000 hours<br>3.Measured at room temperature after placing for 24±2 hours                                                                                       |   |   |   |   |
| Low temperature storage  | Inductance change:<br>Within ± 10% Without distinct damage in appearance                  |   |   | 1. Temperature: -55 ± 2℃<br>2. Time: 1000 hours<br>3. Measured at room temperature after placing for 24±2 hours                                                                                  |   |   |   |   |
| High temperature storage | Inductance change:<br>Within ± 10% Without distinct damage in appearance                  |   |   | 1. Temperature: +125 ± 2℃<br>2. Time: 1000 hours<br>3. Measured at room temperature after placing for 24±2 hours                                                                                 |   |   |   |   |

### Recommended Soldering Technologies

#### (1)Re-flowing Profile

Preheat condition: 150 ~200℃/60~180sec.

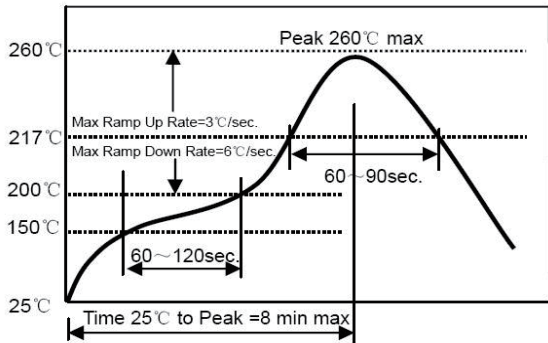
Allowed time above 217℃: 80~120sec.

Max temp: 260℃

Max time at max temp: 10 sec.

Solder paste: Sn/3.0Ag/0.5Cu

Allowed Reflow time: 2x max



#### (2)Iron Soldering Profile

Iron soldering power: Max. 30W

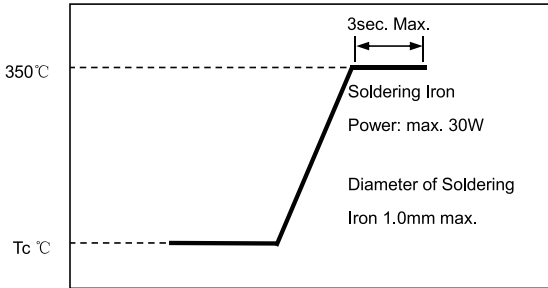
Pre-heating: 150℃/60sec.

Soldering Tip temperature: 350℃ Max.

Soldering time: 3sec. Max.

Solder paste: Sn/3.0Ag/0.5Cu

Max.1 times for iron soldering



|                                                                                          |  |                          |  |              |                   |                                        |         |                               |            |                         |
|------------------------------------------------------------------------------------------|--|--------------------------|--|--------------|-------------------|----------------------------------------|---------|-------------------------------|------------|-------------------------|
| <div>VOOHU</div> <div>苏州沃虎电子科技有限公司</div> <div>Su Zhou Voohu Electronic Tech.Co.Ltd</div> |  | TITLE:<br>YT0650 Series  |  | SIZE<br>A4   | UNITS<br>MM[INCH] | GENERAL TOLERANCES<br>UNLESS SPECIFIED |         | APPROVED BY:<br>Geoffrey.Song |            |                         |
|                                                                                          |  | PART NO.:<br>YT0650系列规格书 |  | SACLE<br>1:1 | REV<br>A0         | x±0.35                                 | x°±3.0° | CHECKED BY:<br>Elvis.Song     |            |                         |
| TEL: +86 400 1048 018                                                                    |  | WEB: WWW.WOHU-TEK.COM    |  | REMARK:      |                   | SHEET<br>4/7                           |         | .xx±0.25                      | .xx°±1.5°  | DESIGND BY:<br>Sunny.Xu |
|                                                                                          |  |                          |  |              |                   |                                        |         | .xxx±0.10                     | .xxx°±1.0° |                         |

Recommended Soldering Technologies

(1)Re-flowing Profile

Preheat condition: 150 ~200℃/60~180sec.

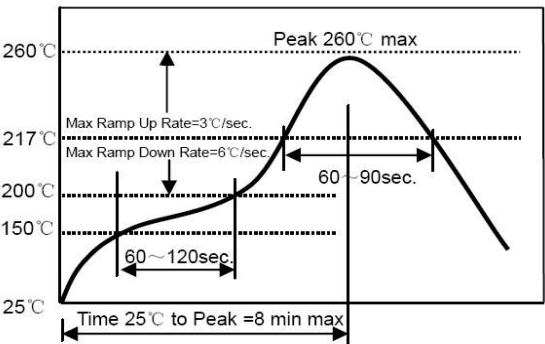
Allowed time above 217℃: 80~120sec.

Max temp: 260℃

Max time at max temp: 10 sec.

Solder paste: Sn/3.0Ag/0.5Cu

Allowed Reflow time: 2x max



(2)Iron Soldering Profile

Iron soldering power: Max. 30W

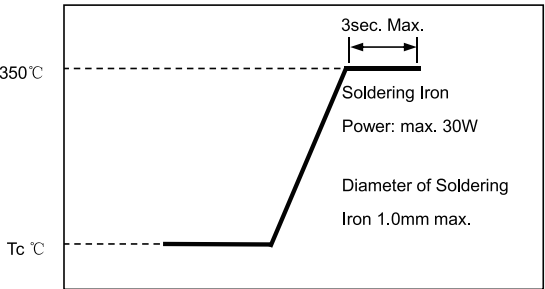
Pre-heating: 150℃/60sec.

Soldering Tip temperature: 350℃ Max.

Soldering time: 3sec. Max.

Solder paste: Sn/3.0Ag/0.5Cu

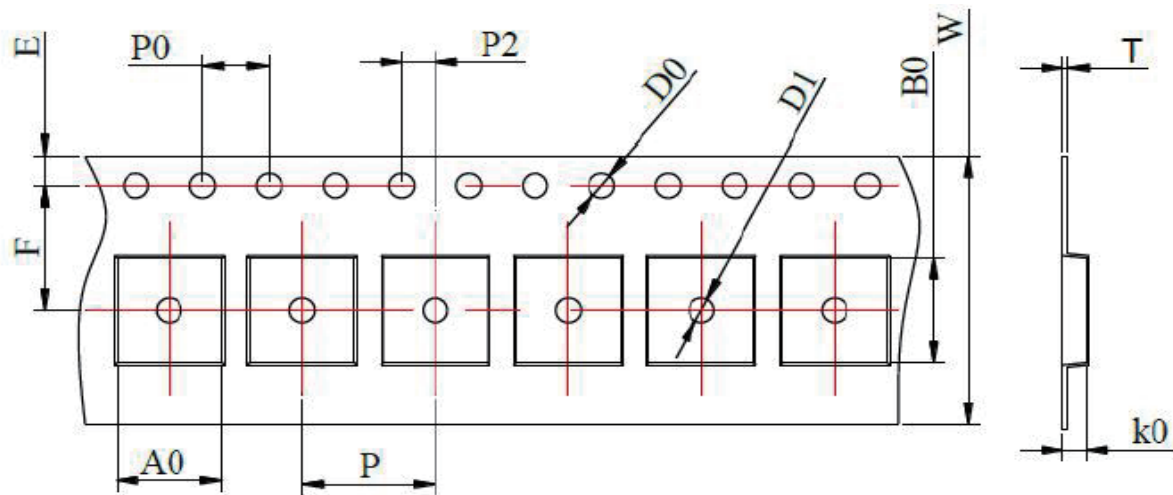
Max.1 times for iron soldering



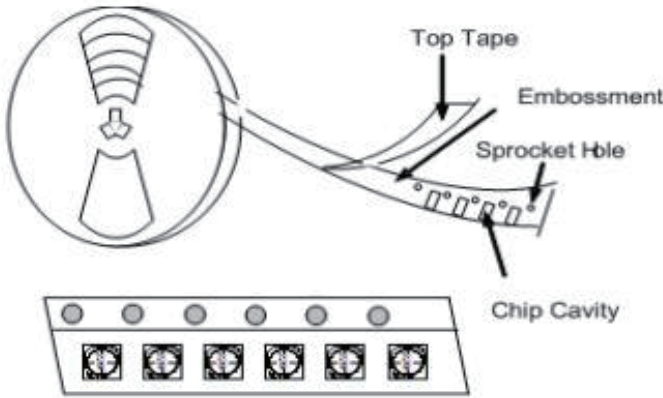
REACH & RoHS  
COMPLIANT

Packaging Information

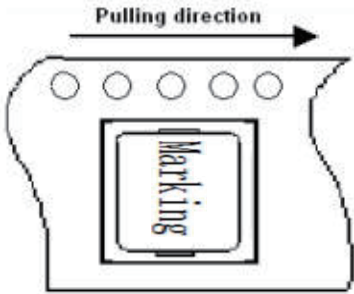
(1) Tape Packaging Dimensions (Unit: mm)



Taping Drawings (UNIT:mm)



| Type     | Tape dimensions (mm) |            |           |           |             |             |              |             |             |             |              |             |
|----------|----------------------|------------|-----------|-----------|-------------|-------------|--------------|-------------|-------------|-------------|--------------|-------------|
|          | W                    | P          | P0        | P2        | D0          | D1          | T            | A0          | B0          | K0          | E            | F           |
| WHYT0650 | 16<br>±0.3           | 12<br>±0.1 | 4<br>±0.1 | 2<br>±0.1 | 1.5<br>±0.1 | 1.5<br>±0.1 | 0.4<br>±0.05 | 6.9<br>±0.1 | 7.5<br>±0.1 | 5.4<br>±0.1 | 1.75<br>±0.1 | 7.5<br>±0.1 |



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TITLE:  
YT0650 Series

PART NO.:  
YT0650系列规格书

REMARK:

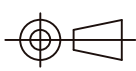
SIZE  
A4

SACLE  
1:1

SHEET  
5/7

UNITS  
MM[INCH]

REV  
A0



GENERAL TOLERANCES  
UNLESS SPECIFIED

$x \pm 0.35$   
 $.x \pm 0.30$

$.xx \pm 0.25$   
 $.xxx \pm 0.10$

$x^\circ \pm 3.0^\circ$   
 $.x^\circ \pm 2.0^\circ$

$.xx^\circ \pm 1.5^\circ$   
 $.xxx^\circ \pm 1.0^\circ$

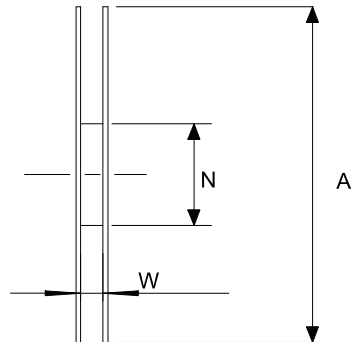
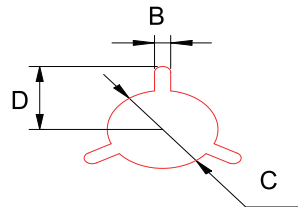
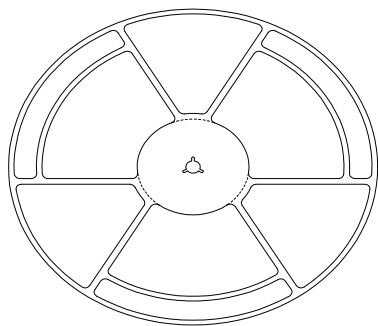
APPROVED BY:  
Geoffrey.Song

CHECKED BY:  
Elvis.Song

DESIGND BY:  
Sunny.Xu

REACH & RoHS  
COMPLIANT

(2) Reel Dimensions (Unit: mm)



|         |          |        |         |          |            |
|---------|----------|--------|---------|----------|------------|
| A       | W        | N      | B       | C        | D          |
| 330+2.0 | 16.8+0.2 | 97+0.5 | 2.2+0.5 | 13.2±0.2 | 10.75±0.25 |

(3) Packaging Quantity(PCS)

| Type     | Standard Quantity |                        |                                |
|----------|-------------------|------------------------|--------------------------------|
|          | Reel              | Inner box              | Carton box                     |
| WHYT0650 | 1000pcs / reel    | 3Reel / box (3000 pcs) | 4 Middle boxes,<br>(12000 pcs) |

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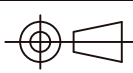
SIZE  
A4

SACLE  
1:1

SHEET  
6/7

UNITS  
MM[INCH]

REV  
A0



GENERAL TOLERANCES  
UNLESS SPECIFIED

|         |          |
|---------|----------|
| x±0.35  | x°±3.0°  |
| .x±0.30 | .x°±2.0° |

|           |            |
|-----------|------------|
| .xx±0.25  | .xx°±1.5°  |
| .xxx±0.10 | .xxx°±1.0° |

APPROVED BY:  
Geoffrey.Song

CHECKED BY:  
Elvis.Song

DESIGND BY:  
Sunny.Xu

1  
2  
3  
4  
5  
6  
7  
8

REACH & RoHS  
COMPLIANT

H

G

F

E

D

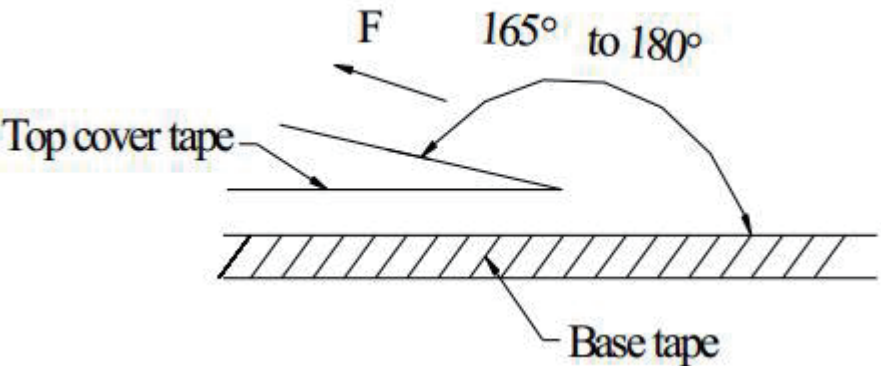
C

B

A

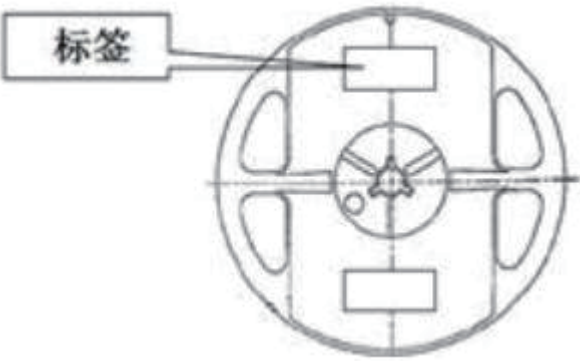
(4) Peel force of top cover tape

The peel speed shall be about 300mm/minute  
The peel force of top cover tape shall be between 0.1 to 1.3 N



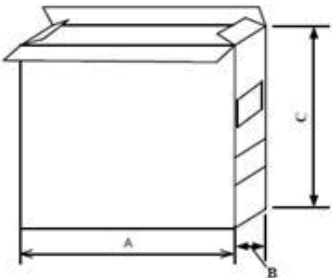
(5) Reel Label

- Label on the reel
- Customer's part Number
  - Lot Number
  - Quantity
  - date code



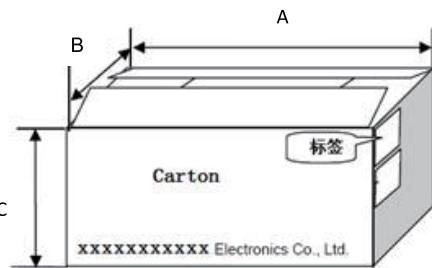
- Shipping Label
- Customer's part Number
  - Manufacturer's part Number
  - Quantity
  - date code

(6) Inner Box



| Packaging type | A (mm) | B (mm) | C (mm) |
|----------------|--------|--------|--------|
| Inner box      | 335    | 70     | 340    |

(7) Carton



| Packaging type | A (mm) | B (mm) | C (mm) |
|----------------|--------|--------|--------|
| type           | 360    | 360    | 360    |

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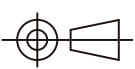
SIZE  
A4

SACLE  
1:1

SHEET  
7/7

UNITS  
MM[INCH]

REV  
A0



GENERAL TOLERANCES  
UNLESS SPECIFIED

|                 |                            |
|-----------------|----------------------------|
| $x \pm 0.35$    | $x^\circ \pm 3.0^\circ$    |
| $.x \pm 0.30$   | $.x^\circ \pm 2.0^\circ$   |
| $.xx \pm 0.25$  | $.xx^\circ \pm 1.5^\circ$  |
| $.xxx \pm 0.10$ | $.xxx^\circ \pm 1.0^\circ$ |

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