

※ This document is a temporary specification which does not include whole information about the product.  
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|                |             |             |     |
|----------------|-------------|-------------|-----|
| SPECIFICATIONS | ITEM        | LINE FILTER | Rev |
|                | TNC SPEC NO | CH625120S   | 0   |

## 1. ELECTRICAL CHARACTERISTIC

| NO | ITEM                  | TERMINAL         | SPECIFICATION           | REMARKS                              |
|----|-----------------------|------------------|-------------------------|--------------------------------------|
| 1  | RATED VOLTAGE         | LINE TO LINE     | AC 250V                 |                                      |
| 2  | RATED CURRENT         | START-FINISH     | 2.5A                    |                                      |
| 3  | INDUCTANCE            | START-FINISH     | 16KHz 12.0mH +50%, -30% | HP-4194A<br>1V (25°C±2°C)            |
| 4  | TEMPERATURE RISE      | AT RATED CURRENT | 55°C MAX                |                                      |
| 5  | DC RESISTANCE         | START-FINISH     | 115 mΩ MAX              | HIOKI 3540<br>(25°C±2°C)             |
| 6  | WITHSTANDING VOLTAGE  | LINE TO LINE     | AC 1,500V 1 MINUTE.     | TOS-5101<br>CUT OFF CURRENT<br>(5mA) |
| 7  | INSULATION RESISTANCE | LINE TO COVER    | DC 500V, 300MΩ MIN.     | TOS-8850                             |

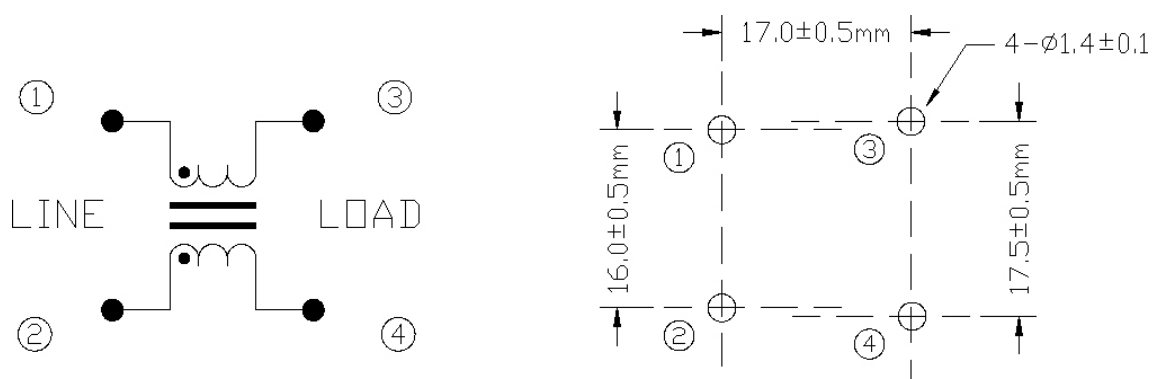
## 2. OPERATING TEMPERATURE RANGE

-25°C TO +115°C INCLUDING TEMPERATURE RISE.

## 3. KEEP TEMPERATURE RANGE

-10°C ~ +60°C.

## 4. CIRCUIT DIAGRAM



Minimum PCB piercing plan

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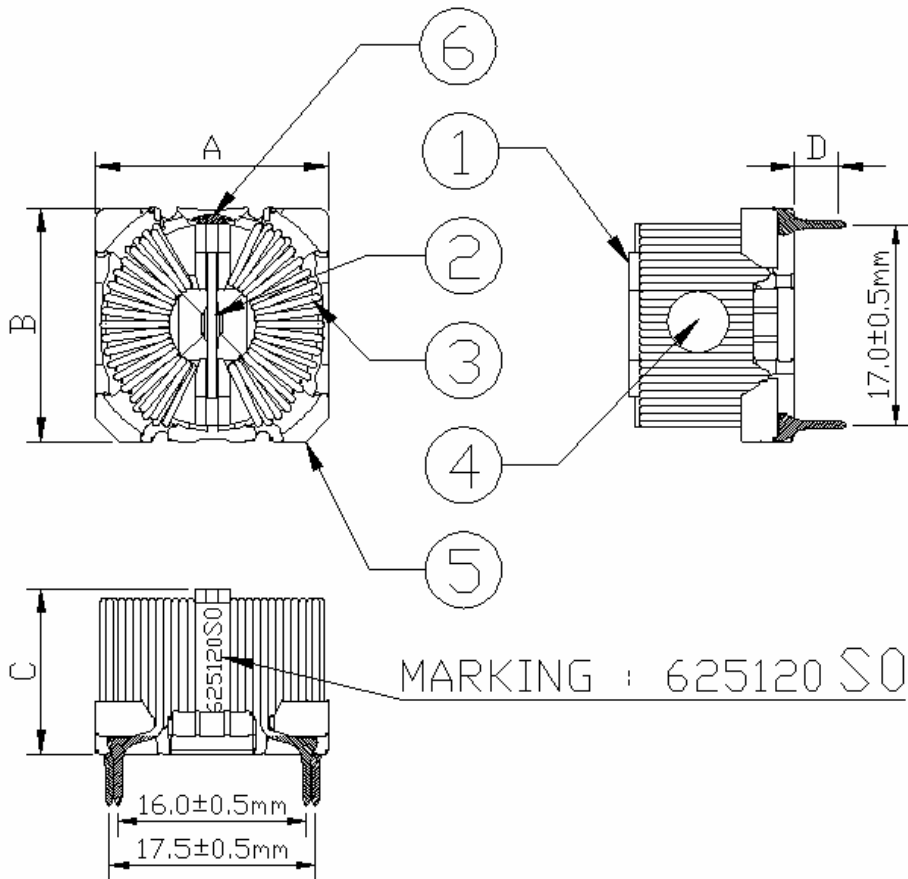
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### 5. WINDING SPECIFICATION

| NO | TERMINAL |        | WIRE      | TURNS   | WINDING METHOD | UNBALANCE SPECIFICATION       |
|----|----------|--------|-----------|---------|----------------|-------------------------------|
|    | START    | FINISH |           |         |                |                               |
| L1 | 1        | 3      | UEW 0.55Φ | 43 ±2Ts | HANDMADE       | BETWEEN L1 AND L2 (0.6mH MAX) |
| L2 | 2        | 4      |           |         |                |                               |

### 6. SHAPE AND DIMENSION



| DIMENSION | A          | B          | C          | D           |
|-----------|------------|------------|------------|-------------|
|           | 22.0mm MAX | 22.0mm MAX | 15.0mm MAX | 4.0 ± 1.0mm |

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