

HR102201A

Electrical Specification @25°C

RoHS Compliant (Pb Free)

Isolation: 1800Vrms 1mA 60S (P1,4,8 to P16,14 to P10)

Isolation: 1000Vrms 1mA 60S (Windings to Windings.; Windings to Core)

Pin1-2 Inductance: 20.0 uH \pm 10% @100KHz, 0.1Vrms

Pin1-2 Leakage Inductance: 0.60 uH Max. @100KHz 0.1Vrms (Shorted other windings)

Pin1-2 DC Resistance: 45.0 mohms Max.

Pin4-3 DC Resistance: 370.0 mohms Max.

Pin8-6 DC Resistance: 15.0 mohms Max.

Pin16-15 DC Resistance: 125.0 mohms Max.

Pin14-13 DC Resistance: 230.0 mohms Max.

Pin10-9 DC Resistance: 70.0 mohms Max.

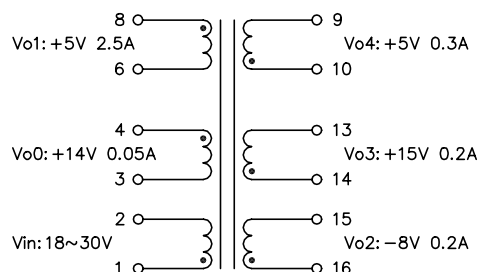
Turns Ratio: @10KHz 0.1Vrms

P1-2 : P4-3 : P8-6 : P16-15 : P14-13: P10-9 = 14 : 14 : 5 : 8 : 15 : 6

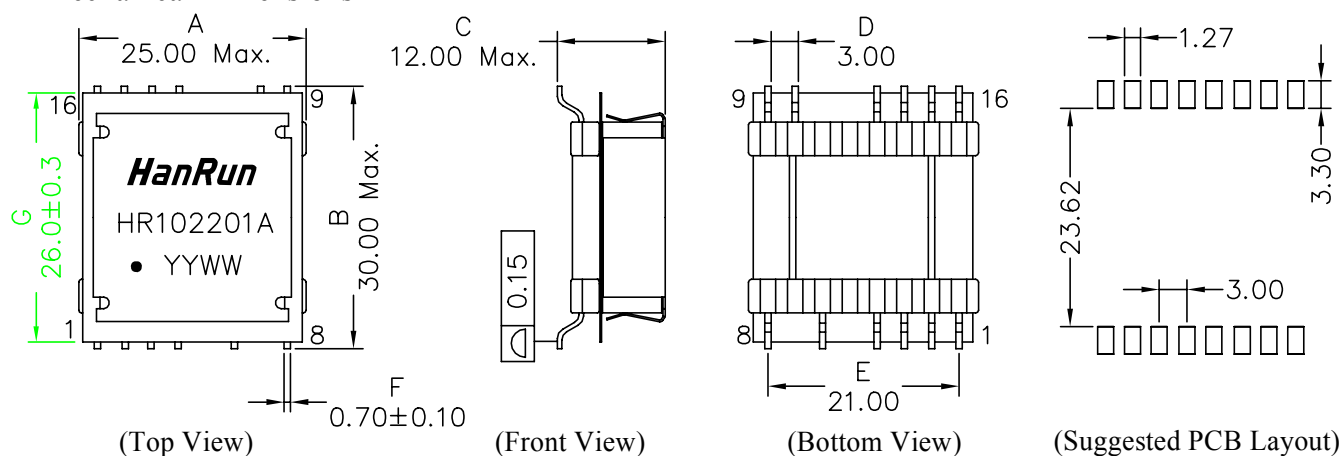
Insulation Resistance: 100M ohms Min @500VDC (P1,4,8 to P16,14 to P10 ; Windings to Core)

Creepage Distance: > 3mm

Schematics



Mechanical Dimensions



Remark: Removed P5#,7#,11#,12#

Unless otherwise specified,
 Tol.: .xx \pm 0.25 (mm)

REV.: 01

1 of 1

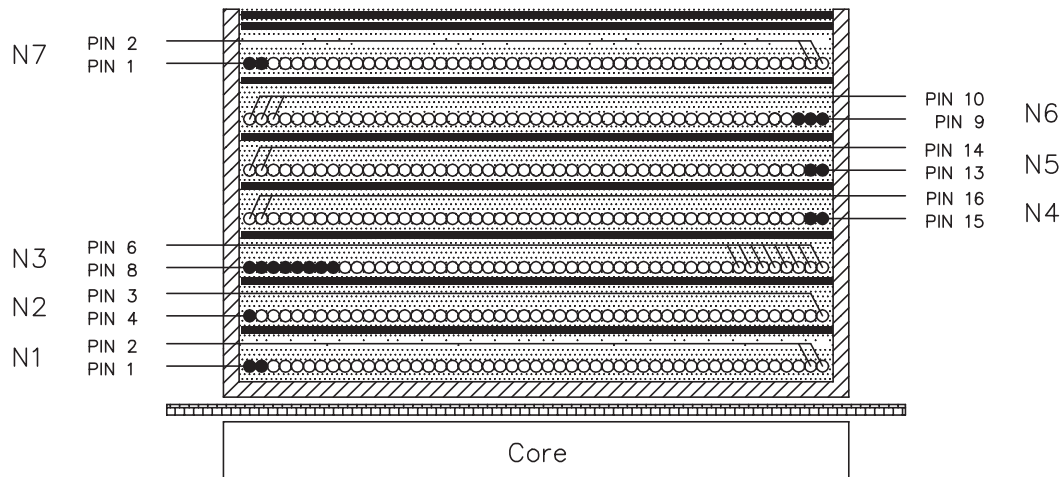
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MATERIAL LIST





| NO. | ITEM | MATERIAL GENERIC NAME | TRADE NAME | MANUFACTURES OF MATERIAL | TEMP CLASS | UL NO. |
|-----|---------|-----------------------------------|----------------|---|---------------|---------|
| 1. | CORE | FERRITE CORE | P4 | ACME ELECTRONICS CORPORATION | | |
| | | Or EQUIVALENT | | | | |
| 2. | BOBBIN | PHENOLIC | PM9630 | SUMITOMO BAKELITE CO LTD | 94V-0 | E41429 |
| | | Or EQUIVALENT | | | | |
| 3. | WIRE | POLYURETHANE | *UEWH | HUIZHOU CITY DENGGAODA ELECTROTECH CO LTD | 180℃ | E253843 |
| | | Or EQUIVALENT | | | | |
| 4. | CLIP | CUPRUM | SUS 301 | JIN SHENG | | |
| | | Or EQUIVALENT | | | | |
| 5. | TAPE | POLYESTER FILM INSULATING TAPE | 201 | SICHUAN DONGFANG INSULATING MATERIAL CO LTD | 180℃ | E229667 |
| | | POLYESTER FILM INSULATING TAPE | 1218 | 3M COMPANY ELECTRICAL MARKETS DIV (EMD) | 180℃ | E17385 |
| | | ARAMID INSULATING | 410 | DUPONT SPECIALTY PRODUCTS USA, LLC | V-0 | E34739 |
| | | Or EQUIVALENT | | | | |
| 6. | EPOXY | EPOXY RESIN | G500 | GUDAK CHEMISTRY TECH (DONGGUAN) LTD | 94V-0 | |
| | | Or EQUIVALENT | | | | |
| 7. | VARNISH | VARNISH | BC-346A | JOHN C DOLPH CO | 180℃ | E317427 |
| | | Or EQUIVALENT | | | | |
| 8. | SOLDER | STANNUM BAR | Sn96.5Ag3Cu0.5 | ANSON SOLDER & TIN PRODUCTS MADE LDT | | |
| | | Or EQUIVALENT | | | | |

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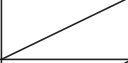
Transformer Construction and Winding



NOTE:

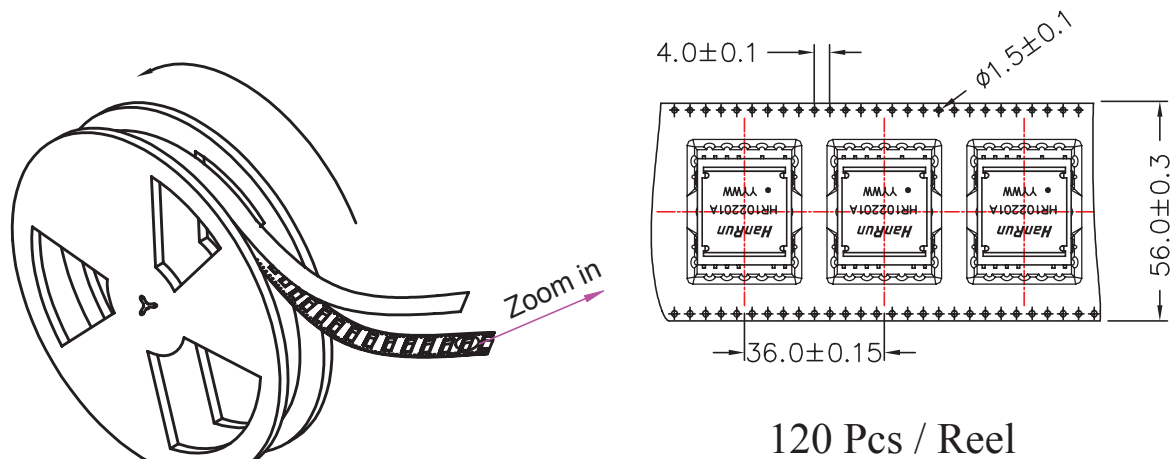
| | |
|---|-----------|
|  | BOBBIN |
|  | VARNISH |
|  | TAPE |
|  | NOMEX 410 |

Figure

| No | COIL | MARGIN | TERMINAL | WIRE | TURNS | TAPE | Direction |
|----|------|---|----------|----------------|-------|------|-------------------|
| 1 | N1 |  | 1--2 | 0.30mm*2P 2UEW | 14T | 1T | Clockwise |
| 2 | N2 |  | 4--3 | 0.20mm*1P 2UEW | 14T | 1T | Clockwise |
| 3 | N3 |  | 8--6 | 0.25mm*8P 2UEW | 5T | 1T | Clockwise |
| 4 | N4 |  | 15--16 | 0.20mm*2P 2UEW | 8T | 1T | Counter clockwise |
| 5 | N5 |  | 13--14 | 0.20mm*2P 2UEW | 15T | 1T | Counter clockwise |
| 6 | N6 |  | 9--10 | 0.20mm*3P 2UEW | 6T | 1T | Counter clockwise |
| 7 | N7 |  | 1--2 | 0.30mm*2P 2UEW | 14T | 2T | Clockwise |

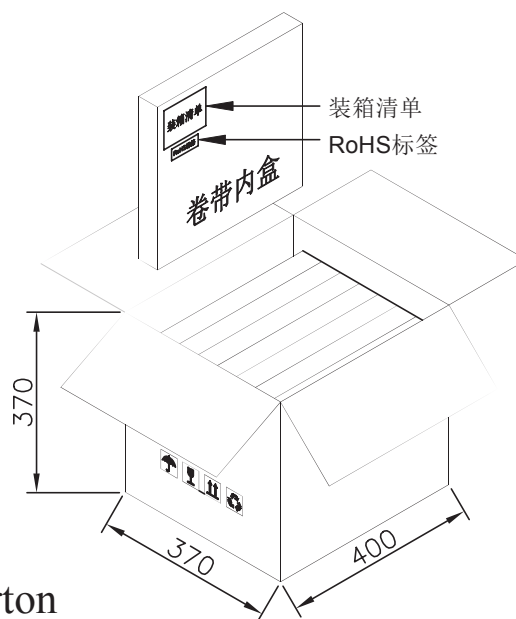
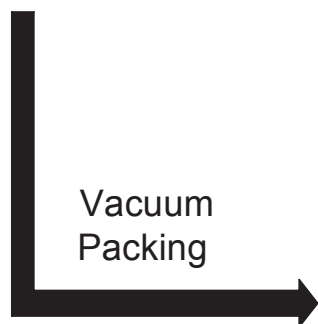
HR102201A Reel Packaging

Packaging



120 Pcs / Reel

(13" Reel)



Outside Carton

PACKING QUANTITY:

120pcs Finished Goods / Reel

5pcs Reel (600pcs Finished Goods) / Carton

Net Weight: 8.7Kg / Carton ; Gross Weight: 13.2Kg / Carton Typ.