



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 ± 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.

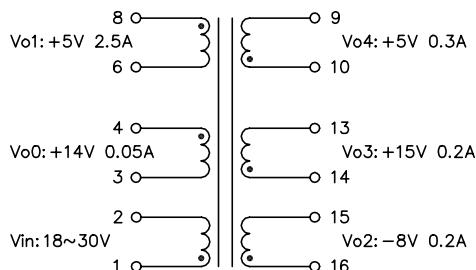
Turns Ratio: @10KHz 0.1Vrms

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

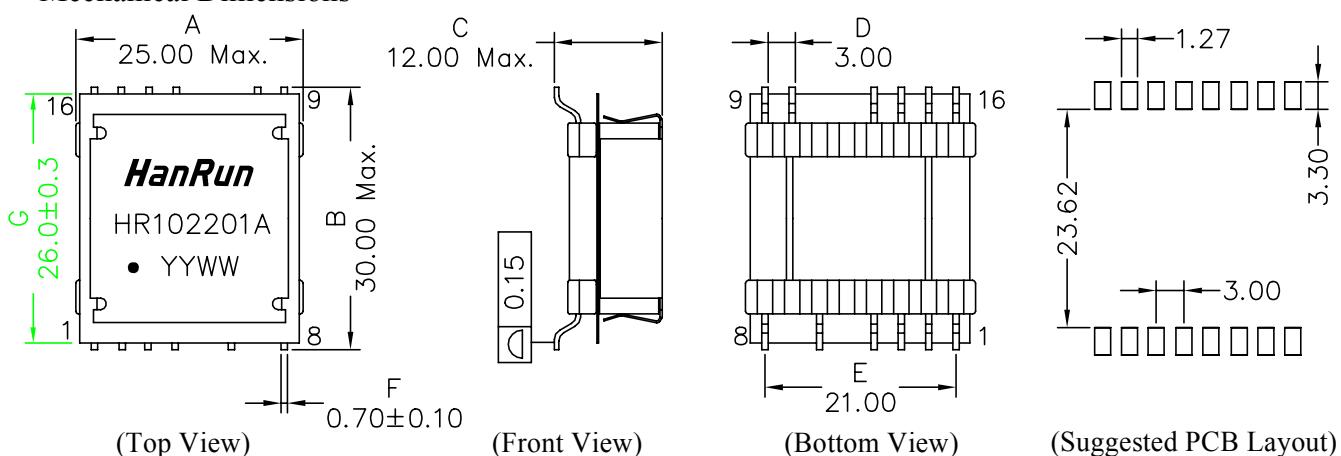
Insulation Resistance: 100M ohms Min @500VDC (P1,4,8 to P16,14 to P10 ; Windings to Core)

Creepage Distance: > 3mm

Schematics



Mechanical Dimensions



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

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

REV.: 01

1 of 1

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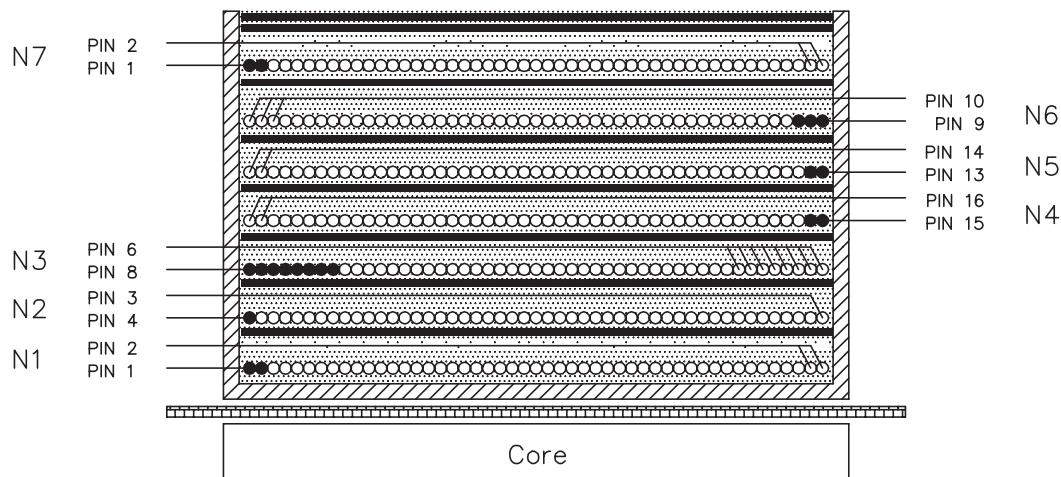
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MATERIAL LIST

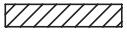
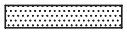
NO.	ITEM	MATERIAL GENERIC NAME	TRADE NAME	MANUFACTURES OF MATERIAL	TEMP CLASS	UL NO.
1.	CORE	FERRITE CORE	P4	ACME ELECTRONICS CORPORATION		
		Or EQUIVALENT				
2.	BOBBIN	PHENOLIC	PM9630	SUMITOMO BAKELITE CO LTD	94V-0	E41429
		Or EQUIVALENT				
3.	WIRE	POLYURETHANE	*UEWH	HUIZHOU CITY DENGGAODA ELECTROTECH CO LTD	180°C	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°C	E229667
		POLYESTER FILM INSULATING TAPE	1218	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	180°C	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°C	E317427
		Or EQUIVALENT				
8.	SOLDER	STANNUM BAR	Sn96. 5Ag3Cu0. 5	ANSON SOLDER & TIN PRODUCTS MADE LTD		
		Or EQUIVALENT				

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Transformer Construction and Winding

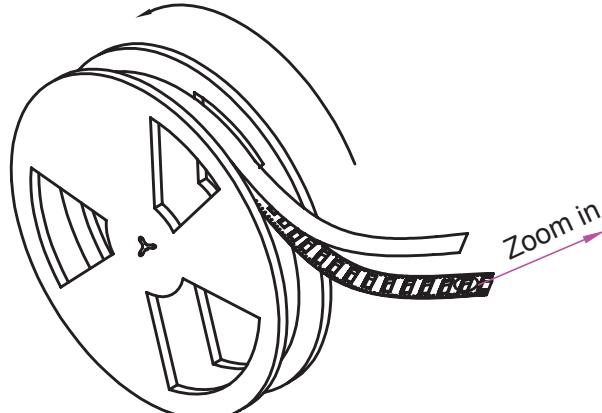


NOTE:

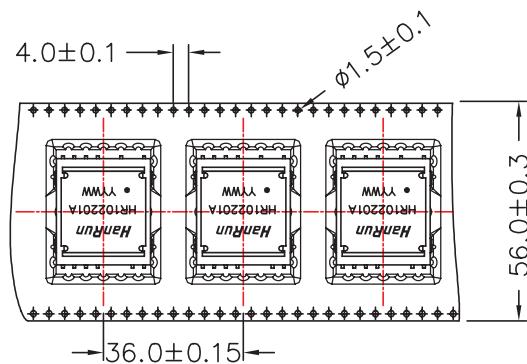
-  BOBBIN
-  VARNISH
-  TAPE
-  NOMEX 410

Figure

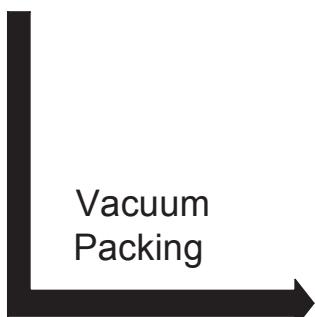
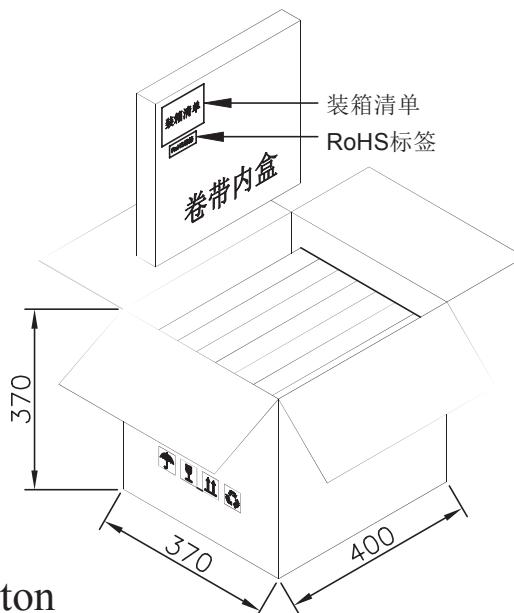
No	COIL	MARGIN	TERMINAL	WIRE	TURNs	TAPE	Direction
1	N1		1--2	0.30mm*2P 2UEW	14T	1T	Clockwise
2	N2		4--3	0.20mm*1P 2UEW	14T	1T	Clockwise
3	N3		8--6	0.25mm*8P 2UEW	5T	1T	Clockwise
4	N4		15--16	0.20mm*2P 2UEW	8T	1T	Counter clockwise
5	N5		13--14	0.20mm*2P 2UEW	15T	1T	Counter clockwise
6	N6		9--10	0.20mm*3P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

HR102201A Reel Packaging
Packaging


(13" Reel)



120 Pcs / 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.