



RENCO ELECTRONICS, INC.

"Precisely the best coils and transformers"

TOROIDAL POWER TRANSFORMER SPEC/CONSTRUCTION SHEETS

CUSTOMER: _____ PART NUMBER: _____ DATE: _____

1. SAFETY STANDARD AND TEMPERATURE CLASS

1.2 Standard: IEC61558-2-1 UL6500 CE Other: _____

1.3 Insulation Class: Class B - 130°C Class F - 155°C Class H - 180°C Other: _____

2. ELECTRICAL SPECIFICATION (See Section 3 to correlate lead #'s)

2.1 Input: _____ V Lead #s _____

2.2 Frequencies: _____ Hz

2.3 AC Output:

Secondary 1: _____ V _____ A Lead #s _____ Secondary 4: _____ V _____ A Lead #s _____

Secondary 2: _____ V _____ A Lead #s _____ Secondary 5: _____ V _____ A Lead #s _____

Secondary 3: _____ V _____ A Lead #s _____ Secondary 6: _____ V _____ A Lead #s _____

2.4 Please Draw Schematic Below:



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2.5 Temperature Rise: 65°C Max 75°C Max 85°C Max Other: _____

2.5.1 Test condition: Rated Input 1.06 x Input 1.1 x Input Other: _____

4Hours test 8Hours test Other: _____

Full Load (100% VA) Half Load(50% VA) Other: _____

25°C Ambient Other: _____

2.6 Insulation Resistance: 500VDC - 100M Other: _____

2.7 Hi-pot Test: 2.5KV/60Hz 3KV/60Hz 4KV/60Hz Other: _____

2.8 Protection: None Thermal Limiting Current Limiting Other: _____

2.9 Screen shielding Yes No

2.9.1 Between the primary winding and secondary winding Yes No

2.9.2 Over the secondary winding Yes No

2.10 Steel shielding (magnetic shielding) Yes No

2.11 Please Describe any Special Test Below:

3. LAYOUT

- 3.1 Primary windings and Secondary windings at same position (Like picture 1) Yes No
- 3.2 _____ ° between Primary windings and Secondary windings (Like picture 2) Yes No

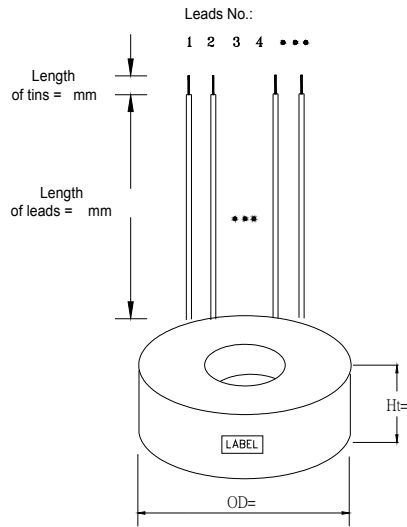


Figure 1

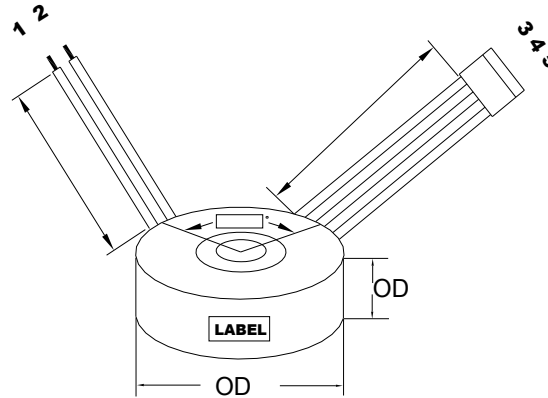


Figure 2

3.3 Leads color , length & Terminal

Lead 1:	_____ AWG	_____ color	_____ mm	<input type="checkbox"/> Tinned	_____ mm	<input type="checkbox"/> With terminal and Pin position _____
Lead 2:	_____ AWG	_____ color	_____ mm	<input type="checkbox"/> Tinned	_____ mm	<input type="checkbox"/> With terminal and Pin position _____
Lead 3:	_____ AWG	_____ color	_____ mm	<input type="checkbox"/> Tinned	_____ mm	<input type="checkbox"/> With terminal and Pin position _____
Lead 4:	_____ AWG	_____ color	_____ mm	<input type="checkbox"/> Tinned	_____ mm	<input type="checkbox"/> With terminal and Pin position _____
Lead 5:	_____ AWG	_____ color	_____ mm	<input type="checkbox"/> Tinned	_____ mm	<input type="checkbox"/> With terminal and Pin position _____
Lead 6:	_____ AWG	_____ color	_____ mm	<input type="checkbox"/> Tinned	_____ mm	<input type="checkbox"/> With terminal and Pin position _____
Lead 7:	_____ AWG	_____ color	_____ mm	<input type="checkbox"/> Tinned	_____ mm	<input type="checkbox"/> With terminal and Pin position _____



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Lead 8:	_____ AWG	_____ color	_____ mm	<input type="text"/> Tinned	_____ mm	<input type="text"/> With terminal and Pin position _____
Lead 9:	_____ AWG	_____ color	_____ mm	<input type="text"/> Tinned	_____ mm	<input type="text"/> With terminal and Pin position _____
Lead 10:	_____ AWG	_____ color	_____ mm	<input type="text"/> Tinned	_____ mm	<input type="text"/> With terminal and Pin position _____
Lead 11:	_____ AWG	_____ color	_____ mm	<input type="text"/> Tinned	_____ mm	<input type="text"/> With terminal and Pin position _____
Lead 12:	_____ AWG	_____ color	_____ mm	<input type="text"/> Tinned	_____ mm	<input type="text"/> With terminal and Pin position _____
Lead 13:	_____ AWG	_____ color	_____ mm	<input type="text"/> Tinned	_____ mm	<input type="text"/> With terminal and Pin position _____
Lead 14:	_____ AWG	_____ color	_____ mm	<input type="text"/> Tinned	_____ mm	<input type="text"/> With terminal and Pin position _____
Lead 15:	_____ AWG	_____ color	_____ mm	<input type="text"/> Tinned	_____ mm	<input type="text"/> With terminal and Pin position _____
Lead 16:	_____ AWG	_____ color	_____ mm	<input type="text"/> Tinned	_____ mm	<input type="text"/> With terminal and Pin position _____

3.4 Please draw lead diagram or explain other requirements below:

4. WOUND DIMENSION AND WEIGHT

4.1 OD= _____ mm Max (with the leads out)

Ht= _____ mm Max

4.2 Weight= _____

4.3 Explain any other dimension requirement:

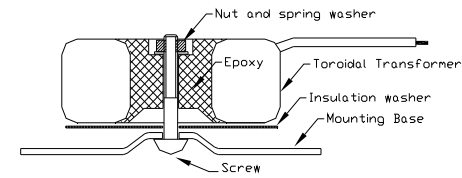
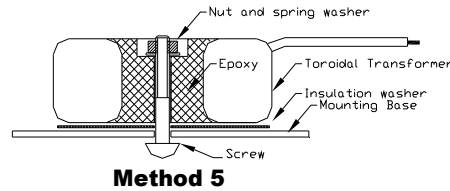
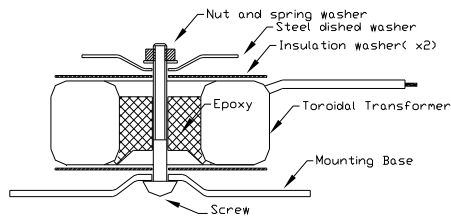
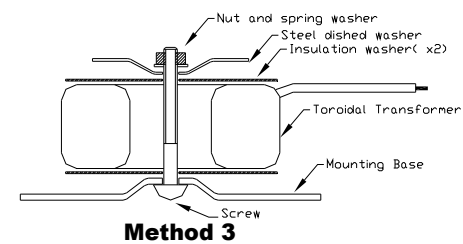
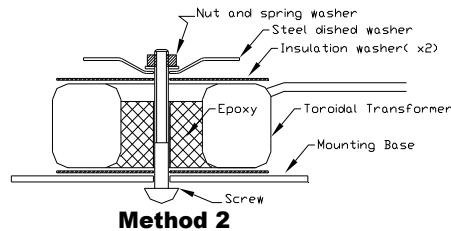
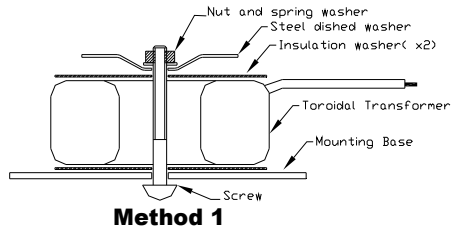
5. MARKING

5.1 Standard label (With Renco mark)

Other (Please offer the drawing)

6. MOUNTING METHOD

STANDARD MOUNTING METHOD FOR TOROIDAL TRANSFORMER



Choose one standard mounting method

Other (Please offer the special mounting method)

6.1 Please describe mounting hardware and mounting hole dimensions:

7. PLEASE PROVIDE ANY OTHER REQUIREMENTS