



RENCO ELECTRONICS, INC.

"Precisely the best coils and transformers"

TOROIDAL TRANSFORMER SPEC/CONSTRUCTION SHEETS

CUSTOMER: _____ CUSTOMER PART NUMBER: _____ DATE: _____

1. SAFETY STANDARD AND TEMPERATURE CLASS

1.2 Standard: IEC61558-2-1 UL60065 UL60601-1 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 _____ **Optional:**

2.2 Frequencies: _____ Hz Duty Cycle: _____

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:



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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

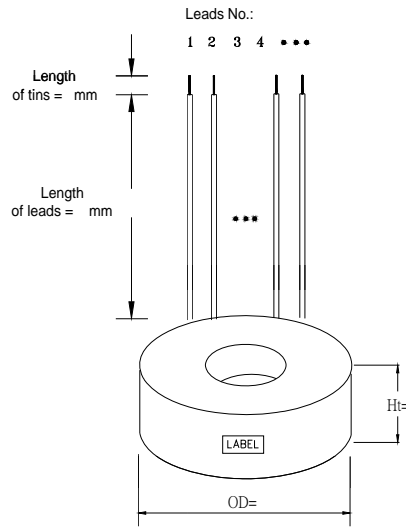


Figure 1

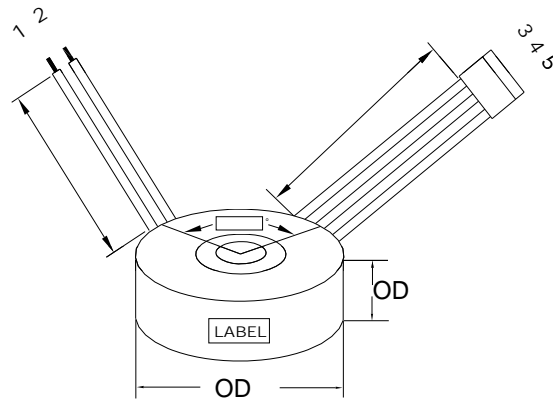


Figure 2

3.3 Leads color , length & Terminal

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



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

3.4 Please draw lead diagram or explain other requirements below:



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4. WOUND DIMENSION

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

Ht= _____ mm Max

4.2 Explain any other dimension requirement:

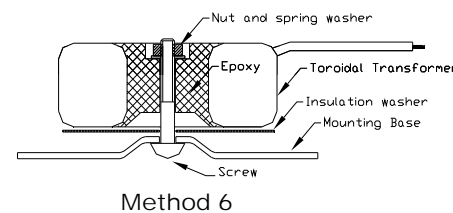
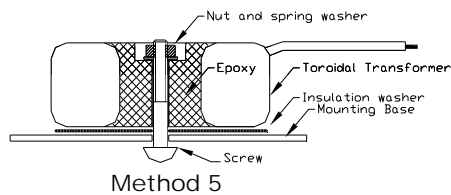
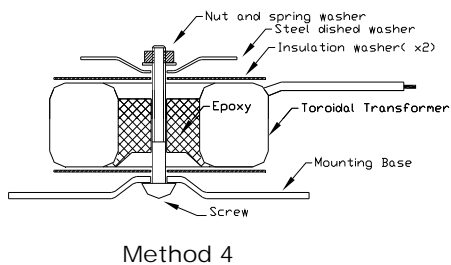
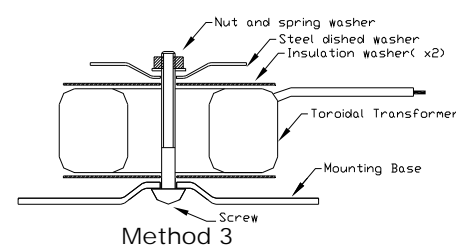
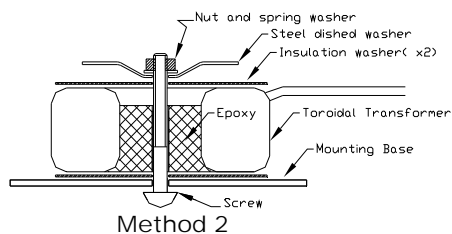
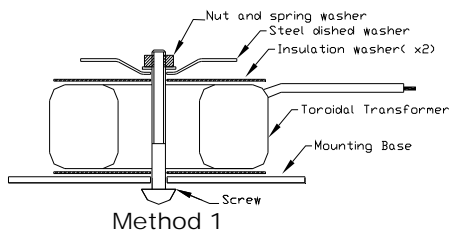
5. MARKING

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)