

Customer name : ROSSMANN  
Customer part no. : 5344-71-LFR  
Drawing no. :  
Description : Common mode choke 1.00 mH  
no. : 17501  
Revision : 00



Issue date  
November 1, 2017

Check by *[Signature]* 9-11-17

Approve by *[Signature]*

Revise record:

Rev.	Date	Revise description	Page.

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Page 2 of 3

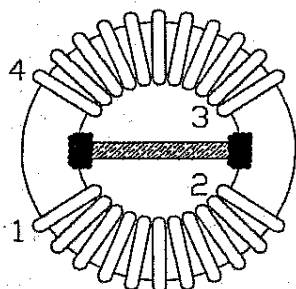


### 1. Components list.

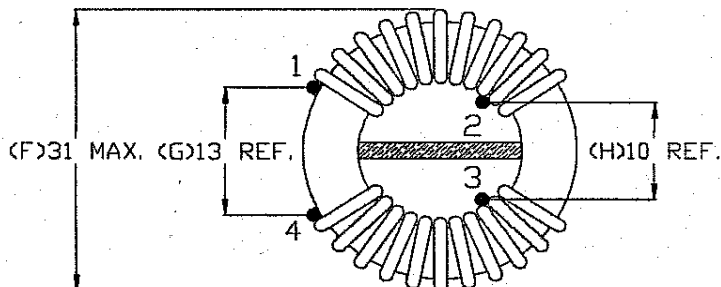
Item.	Material.	Manufacturer.
1. Toroid core T25X15X15C	A05	ACME Ferrite core.
2. Copper wire	Polyurethane enameled copper (F 155 deg.c) or higher	Thai hitachi enamel wire co., ltd. UL no. E137472. Pacific-Thai electric wire & cable co.,ltd. UL no. E142108. Kulthorn Material & Controls co.,ltd. UL no. E187800. or equivalent.
3. Solder bar	Sn / Cu	Ultra core or equivalent.
4. Glue Adhesive, CKE660	Epoxy	China Kyotoku Enterprise Co.,Ltd. UL no. E221448.
5. PCB Base	FR-4	Kingboard Laminates Holdings Limited UL no. E123995. or equivalent.
6. Varnish	Ultimeg 2000/380	A.E.V PLC UL no. E220579.

The drawing and dimension in millimeter unit.

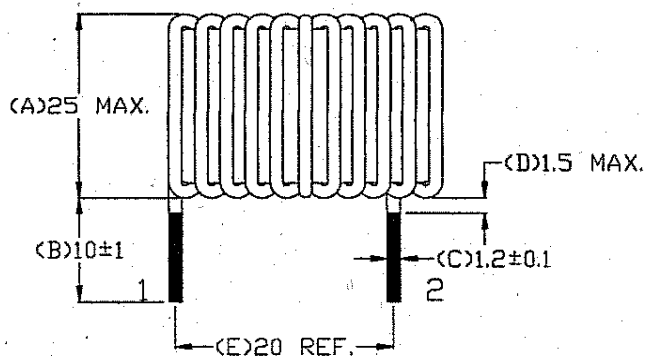
TOP VIEW



BOTTOM VIEW



SIDE VIEW



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Page 3 of 3



## 2. Schematic diagram and winding instruction.



N1 Pin 1 – 2 Wire 1.20 mm. / 13 Ts. (Ref.)

N2 Pin 4 – 3 Wire 1.20 mm. / 13 Ts. (Ref.)

Note :

## 3. Electricals specification and test data (at 25 deg.c).

Item	Pin no.	Specification	Test data									
			1	2	3	4	5	6	7	8	9	10
Inductance (L) At 10KHz, 0.05V	1 – 2	1.00 mH +/- 30%	1.09	1.09	1.18	1.13	1.12	1.14	1.15	1.01	1.13	1.09
	4 – 3	1.00 mH +/- 30%	1.09	1.09	1.18	1.13	1.12	1.14	1.15	1.01	1.13	1.03
DC-Resistance (DCR) At 25 DEG.C	1 – 2	9.85 mOhm Max.	9.24	9.25	9.28	9.24	9.30	9.31	9.25	9.23	9.28	9.23
	4 – 3	9.85 mOhm Max.	9.23	9.20	9.23	9.29	9.21	9.26	9.18	9.10	9.18	9.29

Hi-Potential test.  
1mA 50Hz

Apply 2000Vac between N1 to N2 for 2 sec.  
Apply 1500Vac between N1,N2 to core for 2 sec.

Passed  
Passed

Phase check follow to schematic diagram.

Passed

### Mechanical test Sample no.

	A	B	C	D	E	F	G	H
1	18.34	10	1.20	1	20.16	29.13	13.24	9.28
2	18.19	10	1.21	1	20.01	29.30	13.38	9.33
3	18.37	10	1.19	1	20.27	29.27	13.34	8.98
4	18.37	10	1.18	1	20.91	29.33	13.10	9.18
5	18.20	10	1.19	1	19.78	29.02	12.96	9.31
6	18.28	10	1.20	1	20.15	28.86	13.51	9.39
7	18.17	10	1.21	1	20.66	28.96	13.48	9.39
8	18.15	10	1.17	1	20.16	29.38	13.02	9.12
9	18.27	10	1.19	1	20.35	29.15	12.96	9.31
10	18.40	10	1.20	1	20.48	29.51	13.74	9.67

Test date : 9 November 2017  
 Test by : Apiwat