

Without Isolation tape

SAMPLE DATA TABLE

MESSRS.	Robert Bosch GmbH
PART NO. OR SPEC.	-
COIL TYPE	TR14-A-S

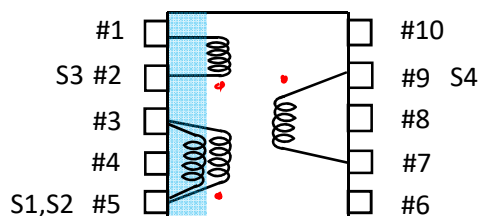
WINDING SPECIFICATION

CONNECTION	(5-3)	(5-3)	(2-1)	(9-7)
TURNS	10 t	10 t	10 t	20 t
WIRE	OHTW-φ0.20		OHTW-φ0.15	

MATERIAL LIST

Base	125226 A	TAPE	12T067A
E-Core1	128068 C		
E-Core2	128068 C		

WIRING DIAGRAM (Top View) /STAMPING



(Top View)

NOTE FOR CUSTOMER

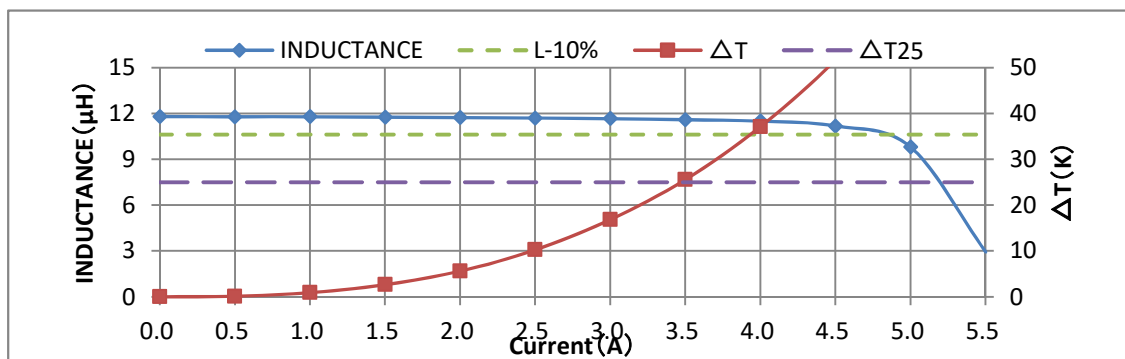
These products are prototype samples .
Please do not use for reliability investigation.

ELECTRIC CHARACTERISTICS

SPEC	INDUCTANCE (f=250kHz)			DCR		
	(5-3)	(2-1)	(9-7)	(5-3)	(2-1)	(9-7)
	10.0 μH ~ 13.0 μH	-	-	100mΩ max.	100mΩ max.	100mΩ max.
REQUEST SPEC.	TBD	ref.	ref.	-	ref.	ref.
1	11.8 μH	12.1 μH	49.5 μH	57 mΩ	237 mΩ	527 mΩ
2	11.4	11.8	48.3	57	239	524
3	11.7	12.1	49.7	57	240	521

SPEC	LEAKAGE INDUCTANCE (f=250kHz)			I @25°C (5-3) (L-10%) 2.2 A ref.	WITHSTAND VOLTAGE (3,5)-(7,9) 500V,1min	Breakdown voltage (3,5)-(7,9) -
	(5-3) (2-1)&(9-7)short	(2-1) (5-3)&(9-7)short	(9-7) (5-3)&(2-1)short			
	0.1μH max.	0.1μH max.	0.1μH max.			
REQUEST SPEC.	ref.	0.55μH max.	ref.	-	AC500V,1min	-
1	0.30 μH	0.17 μH	1.62 μH	4.8 A	OK	>5 kV
2	0.35	0.21	1.81			
3	0.37	0.28	1.85			

※Measurement
limit value : 5kV



—特記事項 Note—

1) (5-1)間コア上面に青色マーキングを行う。

Marking with blue color on the top of product at the side of (5-1).

DATE	TESTED BY	APPROVED BY	SAMPLE No.
2019/05/20			DR12-C249

Without Isolation tape

SAMPLE DATA TABLE

MESSRS.	Robert Bosch GmbH
PART NO. OR SPEC.	-
COIL TYPE	TR14-A-S

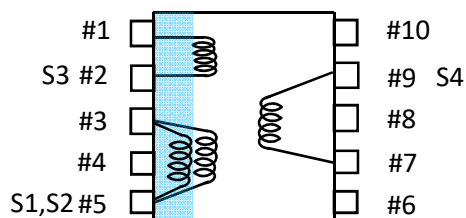
WINDING SPECIFICATION

CONNECTION	(5-3)	(5-3)	(2-1)	(9-7)
TURNS	9 t	9 t	9 t	18 t
WIRE	OHTW-φ0.20		OHTW-φ0.15	

MATERIAL LIST

Base	125226 A	TAPE	12T067A
E-Core1	128068 C		
E-Core2	128068 C		

WIRING DIAGRAM (Top View) /STAMPING



(Top View)

NOTE FOR CUSTOMER

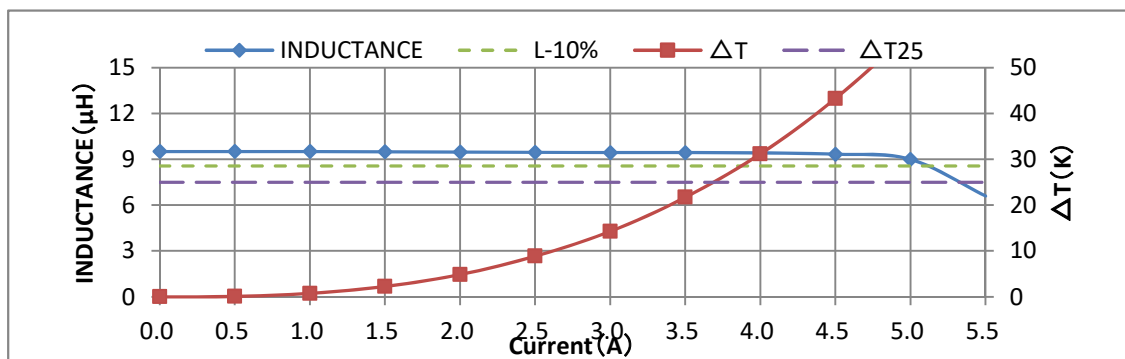
These products are prototype samples .
Please do not use for reliability investigation.

ELECTRIC CHARACTERISTICS

SPEC	INDUCTANCE (f=250kHz)			DCR		
	(5-3)	(2-1)	(9-7)	(5-3)	(2-1)	(9-7)
	10.0 μH ~ 13.0 μH	-	-	100mΩ max.	100mΩ max.	100mΩ max.
REQUEST SPEC.	TBD	ref.	ref.	-	ref.	ref.
1	9.5 μH	9.9 μH	40.5 μH	51 mΩ	206 mΩ	461 mΩ
2	9.5	9.8	40.3	52	204	455
3	9.4	9.7	39.3	51	208	457

SPEC	LEAKAGE INDUCTANCE (f=250kHz)			I @25°C (5-3) (L-10%) 2.2 A ref.	WITHSTAND VOLTAGE (3,5)-(7,9) 500V,1min	Breakdown voltage (3,5)-(7,9) -
	(5-3) (2-1)&(9-7)short	(2-1) (5-3)&(9-7)short	(9-7) (5-3)&(2-1)short			
	0.1μH max.	0.1μH max.	0.1μH max.			
REQUEST SPEC.	ref.	0.5μH max.	ref.	-	AC500V,1min	-
1	0.25 μH	0.25 μH	1.38 μH	5.1 A	OK	>5 kV
2	0.27	0.17	1.31			
3	0.23	0.18	1.35			

※Measurement
limit value : 5kV



—特記事項 Note—

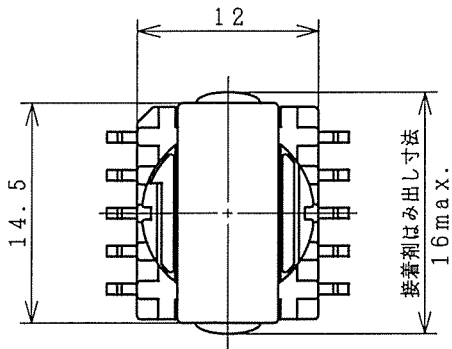
1) (5-1)間コア上面に青色マーキングを行う。

Marking with blue color on the top of product at the side of (5-1).

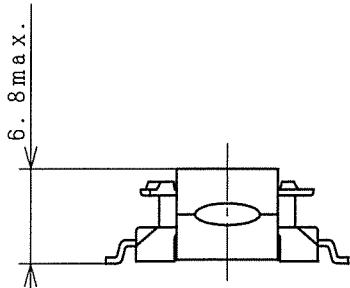
DATE	TESTED BY	APPROVED BY	SAMPLE No.
2019/05/20			DR12-C250

A		B		C		D	
				記号	来歴	年月日	氏名
					寸法公差変更	副1' 03.09.03	井上大

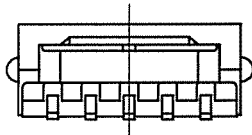
1



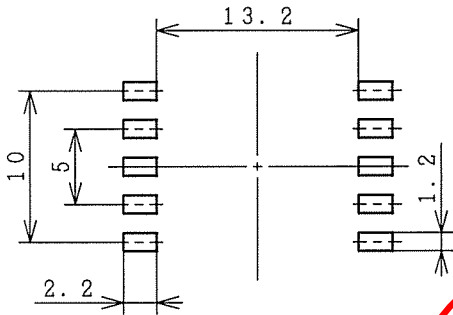
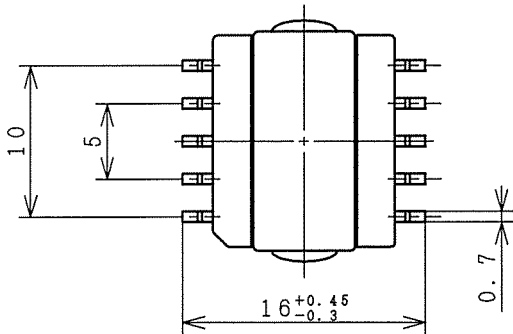
2



3



Recomended land pattern
dimintions of PWB (2/1)
(General tolerance ±0.1)



出図
'13.12.05
コイル
技術課

5

First issued date
Original designed by
/COIL ENG DEPT.

THIRD ANGLE PROJECTION		SCALE	GENERAL TOLERANCE	UNIT
		2 / 1	±0.2	mm

MODEL TR14-A-S
OUTLINE DRAWINGS

DESIGNED	DRAWN	CHECKED	CHECKED	APPROVED
コイル '03.9.-4 井上大	コイル '03.9.-4 井上大	コイル '03.9.-4 木下	コイル '03.9.-4 主任技師 伏原	コイル部技術課 '03.9.-4 副課長河野

MARK	DIVISION CODE	DRAWING NUMBER
	1 2	5 2 5 6

6

