

CUSTOMER : \_\_\_\_\_

HF

# APPROVAL SHEET

ITEM : COIL INDUCTOR

SPEC. : 10uH BULK 6.5X7.5

PART NO. : \_\_\_\_\_

KH CODE NO. : KR6575-100KB0

DATE : 2012 . 12. 20.

This space is used for customer's approval.

# APPROVAL SHEET

DESCRIPTION	10uH Bulk 6.5 x 7.5	KH CODE NO.	KR6575-100KB0
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## 1. REVISION RECORD

DATE	REASON	CONTENTS	APPROVAL	REV. NO.	PAGE NO.

PART NO.		DATE	2012. 12. 20.
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DRAWN	CHECKED	APPROVED	SCALE	none	PAGE	1/6
			UNIT	mm		

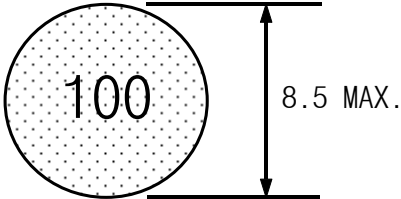
COIL INDUCTOR

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## 2. DIMENSION (UNIT:mm)

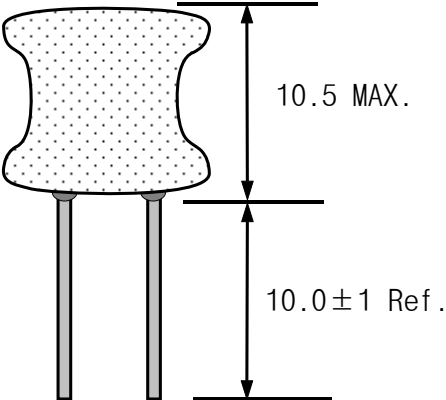
TOP VIEW



100

8.5 MAX.

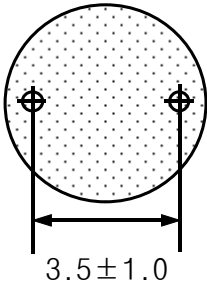
FRONT VIEW



10.5 MAX.

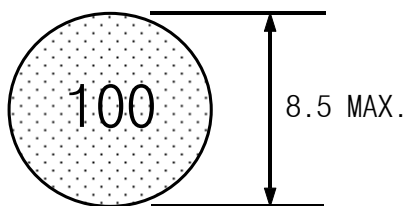
10.0 ± 1.0 Ref.

BOTTOM VIEW

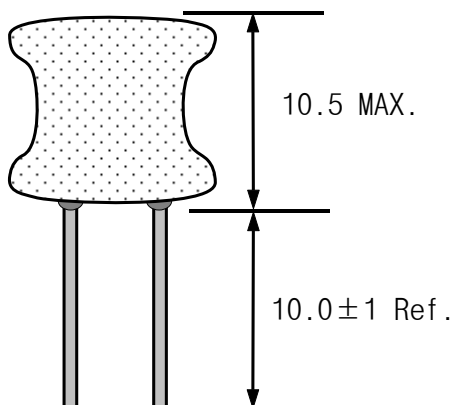


3.5 ± 1.0

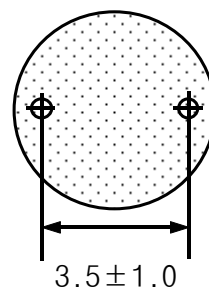
TOP VIEW



FRONT VIEW



BOTTOM VIEW



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## 3. WINDING SPECIFICATION

TERMINAL		TYPE OF WIRE	TURNS	WINDING METHOD	WINDING DIRECTION (BOTTOM VIEW)
S	F	<u>2 UEW 0.4Φ</u>	<u>18.5 Ts (REF)</u>	SOLENOID	C.C.W.

## 4. ELECTRICAL CHARACTERISTICS

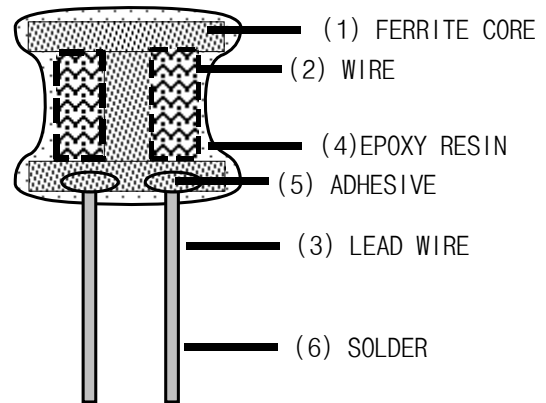
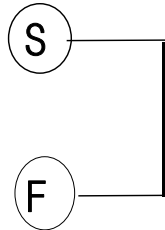
NO.	ITEM	TERMINAL	SPECIFICATION	REMARKS
1	INDUCTANCE	S - F	<u>10</u> [uH] ± 10%	LEADER LCR 745 METER 1[KHz]
2	WITHSTANDING VOLTAGE	COIL - CORE	AC 500[V] RMS. 1 MINUTE.	CUT OFF CURRENT 5[mA].
3	INSULATION RESISTANCE	COIL - CORE	100 [MΩ] MIN. at DC 500 [V].	TOS-8850

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## 5. SECTION DIAGRAM



## 6. MATERIAL LIST

NO.	I T E M	MATERIAL	MANUFACTURE	UL FILE NO.
1	FERRITE CORE	DR 6.5x7.5[mm]	SHIJIAZHUANG HUICHANG ELECTRONIC MATERIAL CO.,LTD eqv.	
2	W I R E	2UEW	YU JIN MAGNET WIRE CO., LTD. CNI CABLE CO.,LTD. eqv	E207506
3	LEAD WIRE	TPC 0.6Ø	SAMATRON CO., LTD IL-KWANG ELECTRONICMATERIALS CO.,LTD. eqv.	
4	EPOXY RESIN	DP-402NH DWR5030	DAE J00 ELECTRONIC MATERIALS CO.,LTD SAM SIN CHEMICAL CO.,LTD. eqv.	
5	ADHESIVE	FK661	QI FU ELECTRONIC MATERIALS. eqv.	
6	SOLDER BAR	Sn Cu	DAEKIL METAL CO., LTD. eqv.	

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## 7. MECHANICAL CHARACTERISTICS

NO.	CONDITION	SPECIFICATION
1	Terminal strength pull test 30 seconds	1 [Kg]
2	Solderability 230 ± 5[ °C ]	2.0±0.5 seconds
3	Heat resistance of solder 350 ± 5[ °C ]	3.0±0.5 seconds

## 8. ENVIRONMENTAL CHARACTERISTICS

NO.	TITLE	CONDITION	SPECIFICATION
1	HIGH TEMPERATURE	85±2[ °C ] 96HRS	After each state of condition product must meet the requirements of inductance and dc-r.
2	LOW TEMPERATURE	-25±2[ °C ] 96HRS	
3	HUMIDITY	55±5[ °C ] 95±3[%], 96HRS	
4	THERMAL SHOCK	-25±2[ °C ] 30 MIN. room temp, 10 MIN. 105±2[ °C ] 30 MIN. room temp, 10 MIN. 5 cycles	Must meet the requirements of inductance and dc-r and must operate properly

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