

승 인	
정식승인	()
한도승인	()

SPECIFICATIONS

CUSTOMER	
ITEM	Toroidal Coil
MODEL NAME	TOI-13-5-470KV
PART No	Φ13 x 47uH (C13 - A 5)
DATE	2015-08-18

검 토	심 사	승 인
승인유효기간	승인일로부터 년	

신청회사명	 남선전자주식회사	TEL	02-2689-9418
		FAX	02-2689-8628
주 소	Na-3506, Chungang Circulation Complex, 1258 Kurobon-dong, Kuro-Ku, Seoul, Korea, 152-721		

개 정 이 력

CUSTOMER				MODEL NO	TOI-13-5-470KV
PART NO		$\Phi 13 \times 47\mu\text{H}$		ITEM	Toroidal Coil
NO	DATA	Page	개 정 항 목	개 정 사 유	확인
1	2015-08-18			초도발행	
2					
3					
4					
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6					
7					
8					
9					
10					
11					
12					
13					
14					


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Na-3506, Chungang Circulation Complex, 1258
 Kurobon-dong, Kuro-Ku, Seoul, Korea, 152-721
 TEL: 02-2689-9418 , FAX: 02-2689-8628

DESIGN

개발실
최원규
15-8-18

FILE NO.

CHECK

개발실
김지희
15-8-18

APPROVAL

개발실
이상순
15-8-18

TOI-13-5-470KV

APPROVAL SHEET

DATE

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CUSTOMER

PART NAME

Toroidal Coil

MODEL NO.

PART NO.

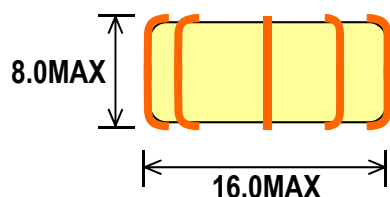
Φ13 x 47uH

SIZE NO.

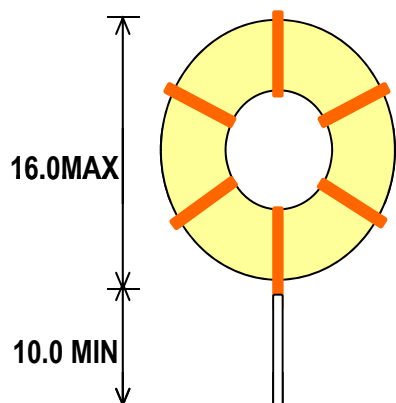
(C13 - A 5)

1. DIMENSION (UNIT:mm)

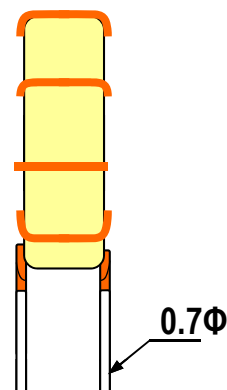
< TOP VIEW >



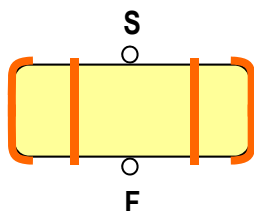
< FRONT VIEW >



< SIDE VIEW >



< BOTTOM VIEW >



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2. SCHEMATIC DIAGRAM



WINDNG

BOTTOM VIEW

C.C.W

N.C PIN

REMOVE PIN

3. WINDING SPEC

WINDING ORDER	TERMINAC NO	WIRE	URNS
W1	START & FINISH	2UEWΦ0.7	33 ± 5Ts

4. ELECTRICAL CHARACTERISTIC

NO	CLOSURE	TERMINAL NO.	ELECTRICAL CHARACTERISTICS	TOLERANCE	CONDITION
1	INDUCTANCE	S - F	47uH	±10%	LCR-745 LCR-METER at 1.0 KHz. LEVEL : 1.0V
2	DC CURRENT OVERLAP	DC 0.5m A, (START TO FINISH)			
3	INSULATION RESISTANCE	DC 500V, 100MΩ MIN (COIL TO CORE)			



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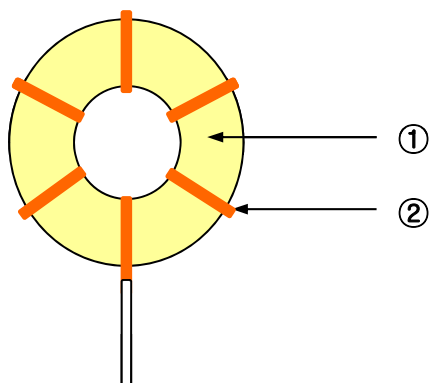
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5. INTERNAL STRUCTURE



6. MATERIAL LIST

NO	COMPONENT	NAME OF MATERIAL	MANUFACTURER OF MATERIAL	REMARKS
1	CORE	C13-A5 CK26-135 EPOXY (YELLOW) MC-306	CORE ELECTRONICS CO.,LTD. CHOONG KWANG INDUSTRY CO. MISUNG CHEMICAL CO.,LTD.	
2	WIRE	POLYURETHANE UEW Φ0.6	TAIHAN ELECTRIC WIRE CO., LTD. CNI CABLE CO.,LTD. NAMHEA ELECTRONICS CO.,LTD.	E109312(N) E210918
3	FLUX	LF - 715K	TAEWON CHEMICAL CO.,LTD.	
4	SOLDER	SN99.5%,CU0.5%	DONGBU HANNONG CHEMICAL CO.,LTD.	

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7. UL LIST

TAIHAN ELECTRIC WIRE CO., LTD.

E 109312 (N)

194-15 1-KA HOEHYUN-DONG CHUNG-KU CPO
BOX 2624, SEOUL KOREA

Mtl Dsg	Coat type BC	Overcoat	ANSI Type	T1
Magnet wire.				
EI-AIW	Ester-imide imide	Polyamide- imide	MW35.73	200
AL EI-AIW	Ester-imide	Polyamide- imide	MW35	240
EIW	Ester-imide	-	MW30.72	180
EIW-N	Ester-imide	Polyamide	MW76	180
AIW	Polyamide-imide	-	-	220
PEW-N	Polyester	Polyamide	MW76	180
SEIW	Solderable Polyester-imide	-	MW77	180
● UEW	Polyurethane	-	MW75	130
UEW-N	Polyurethane	Polyamide	MW80	155

Reports : April 2, 1987; April 2, 1987; April 2, 1987; April 2, 1987: April 2, 1987; April 2,
1987' April 2, 1987; April 2, 1987; April 2, 1987.

CNI CABLE CO.,LTD

E210918

312-16, DEUKSAN-DONG,
ASAN-SI, GYEONGGI-DO, 336-120, REPUBLIC OF KOREA

Mtl Dsg	Mark Dsg	Coat Type		ANSI Type	Temp Class
		BC	OC		
DSUEW-100	(1)	Polyurethane	-	MW75C	130#
● UEW	(1)	Polyurethane	None	MW79	155
				MW75	130#
PEW	(1)	Polyester	None	MW30	180
				MW5	155#

(1) Marked designations are the same as the material designations.

- This wire may perform better than its temperature rating reflects. Hence, It may not be suitable to use in an insulation system thermal aging program.



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