

FOR APPROVAL

CUSTOMER : LG 전자
P/N : AHS72973401
MATERIAL : MnZn
MODEL : WTG3-085-64-4R2(VP19)
DATE : 03. MAY. 2022
REVISION - 1.0

PREPARED BY	CHECKED BY	APPROVED BY
K. H. JEONG	J. R. SON	J. H. KANG



TODA ISU CORPORATION

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개정 이력

ISSUE	DATE	PAGE	DETAILS OF ALTERATION
1	2022.01.14. 2022. 01. 25 2022. 04. 20	3 5, 10, 11	ISSUE Max Input Current COIL CHANGE



TODA ISU Corporation

SPECIFICATIONS

Material	MnZn	CORE Type	PT 6443(1.4T)
Spec Rev.	0	Drwg Rev.	1.1

1. Electromagnetic specifications

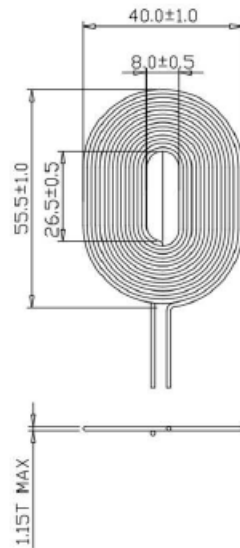
Electrical Data & Test conditions	Inductance (L)		RESISTANCE	
	BOTTOM COIL	TOP COIL	BOTTOM COIL	TOP COIL
Values 	11.5uH± 10%	12.5uH± 10%	120mΩ – MAX	
Value With JIG				
Temperature	25℃ ± 2℃			
Test equipment	HP-4284A LCR METER OR EQUIVALENT EQUIPMENT			
Test frequency	100 kHz			
Test voltage	1 V			
Max Input Current (A)	Normal 4.0A			

2. Temperature Characteristics.

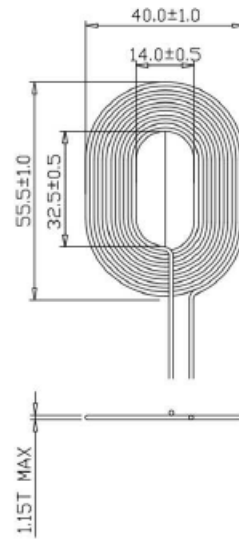
NO	Parameter	Specification
1	Operating Temperature	-40 ~ 120℃
2	Storage Temperature	-40 ~ 80℃

MATERIAL LIST

No.	Part Name.	Dimension & type	Manufacture	Color
1	Ferrite	MnZn PT 6443	TODAISU	Black
2	COIL	Litz Wire 0.08*105strands (155℃ class) Smartbonding or equivalent	Electrysolar or DUHYUN ELECTRONIC CO., LTD	
3	PET FILM	50um (KJ5225BBS or equivalent)	KOOKJE LATEK/ HUIZHOU CITY HUI KE DA TECHNOLOGY CO. LTD	Black
4	Bottom tape	CROWN #512 /3M 9183 / ADH 0.15T	ZHONG SHAN CROWN ADH PRODUCTS CO. LTD / 3M	White
5	BOND	EPOXY SW-300Bk(FC)	SUNGWOO ES	Black
6	Coil ADH tape	double-sided pressure-sensitive adhesive tape	SHEN ZHEN NIKTO TAPE NEW MATERIAL CO.,LTD	Colorless
		7972	MEIYU PACKING MATERIAL CO., LTD	Colorless
7	SOLDER	Lead Free Solder Bar	SEOUL ALLOYMETAL. HEESUNG MATERIAL	Silver

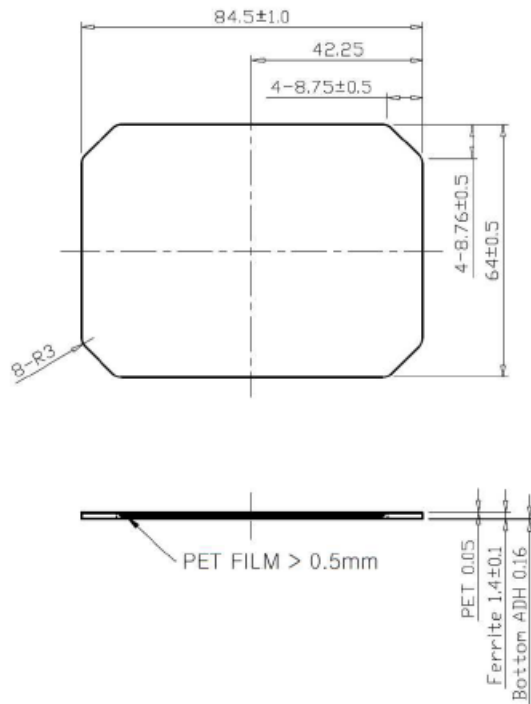


TOP COIL :
Smartbonding Litz WIRE
0.08*105P - 15Ts



BOTTOM COIL :
Smartbonding Litz WIRE
0.08*105P - 12Ts

MARK	DATE	DETAIL OF REVISION	CHECKED	APPROVED
APPROVED	2022.04.03	J.R.SON	COIL TODA ISU Corporation	
CHECKED	2022.04.03	J.R.SON		
DESIGNED	2022.04.03	J.R.SON		
DRAWING	2020.03.12	J.R.SON		
SCALE N.S	MAT'L	SIZE		
		DWG Rev.	2.0	



NOTE.
 Ferrite : MnZn 1.4T
 PET : 출력 방향 페라이트 측면을 덮을 것

MARK	DATE	DETAIL OF REVISION	CHECKED	APPROVED
APPROVED	2021.07.05	J.R.SON	PT 6443	
CHECKED	2021.07.05	J.R.SON		
DESIGNED	2021.02.16	K.H.JEONG		
DEAWN	2021.02.09	K.H.JEONG	TODA ISU Corporation	
SCALE	N.S	MAT'L		
			DWG	0.1
			Rev.	

