

Product Approval Sheet

Customer 西安诺瓦星云科技股份有限公司

Model F59101-A1

Spec. 20.5*39*10TS*0.08*80+G42.5+Magnetic Magnetic wireless charging coil

Sample Qty 2PCS

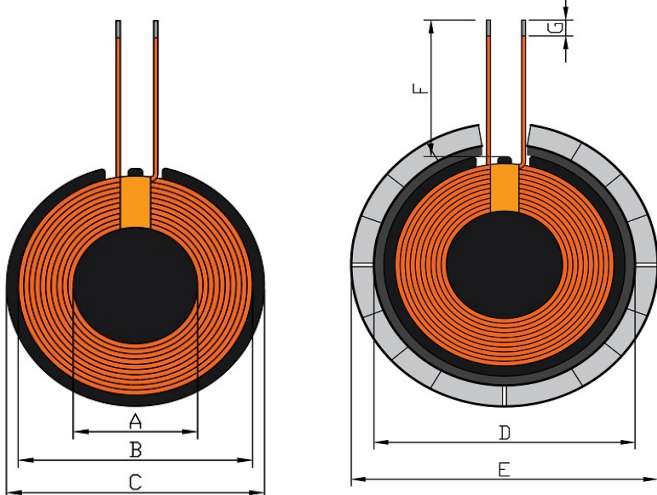
Date 2024/3/11

(Inner signatures) (Customer Signatures)

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Approved By:	Vincent Wang	(Approved By):	



	Product Specification		Model	F59101-A1
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Customer Code	F591	Product Name	Magnetic wireless charging coil	
Document issue record				
Ver.	Modify Desc.		Issue Date	
A/0	First Issued		2023/9/12	
A/1	Change the coating from galvanized to nickel plated		2024/3/11	
Shen Zhen Forewell Technology Co.,Ltd. Http://www.forewell-tech.com		Product Type		Wireless Charging Coil

	Product Specification		Model	F59101-A1		
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Customer Code	F591		Product Name	Magnetic wireless charging coil		
Specification	20.5*39*10TS*0.08*80+G42.5+Magnetic		Winding Direction	CCW		
I. Size: Unit: mm						
			Items	Size	Tol.	
			A	20.5	±0.5	
			B	39.0	±0.5	
			C	42.5	±0.5	
			D	46.0	±0.3	
			E	54.0	±0.3	
			F	22	±2.0	
			G	3	±1.0	
			H	1.10	±0.10	
			I	0.70	±0.10	
			J	3.50	max	
			Remark: I. Working temperature -40 ° C to+85 ° C, storage temperature -20 ° C to+60 ° C II.Validity period: 1year			
II. Winding Specification:						
NO.	Lead Wire		Wire OD		Turns	Layer
1	S	F	0.08*80P Litz wire		10TS	1
III.Electrical Specifications:						
NO.	Properties	Test conditions	Value	Unit	TOL	Tester
1	LS	100KHZ/1V	6.6	μH	10%	TH2830
2	DCR	@25° C	65	mΩ	Max	TH2516
3	Q Factor	100KHZ/1V	60		Min	TH2830
IV.Material list						
NO.	Material List				Spec.	
1	Litz wire (Brand:Jin Jie Yuan)				LZ2SBUEWF 0.08*80P(E533215)	
2	G42.5 Ferrite sheet				42.5*5.3*0.8	
2	G20 Ferrite sheet				20*0.8	
3	NdFeB 9.85X4X1.1*16pcs C-type 1.1+0.7 Nickel Plating 3400gs±10%				ID46*OD54	
4	Double Tape				Φ53.5 (±0.5) *0.08	
5	Black washer				EVA	
6	EVA				Double tape 41*1.2	
7	High temperature tape (Brand: Xinhuaui)				5*28mm (E328315)	
8	High temperature tin				Environmentally compliance high-temperature tin	
Shen Zhen Forewell Technology Co.,Ltd.			Product type	Wireless Charging Coil		
Http://www.forewell-tech.com						