

Antenna specification

CUSTOMER: **Shenzhen WanLIWEI Electronics Co., LTD**

DESC: **A11 50*0.8 10UH L 45MM**

DATE: **2022/11/1**

Version: **A.0**

PREPARED BY	CHECKED BY	APPROVED BY	CUSTOMER APPROVE
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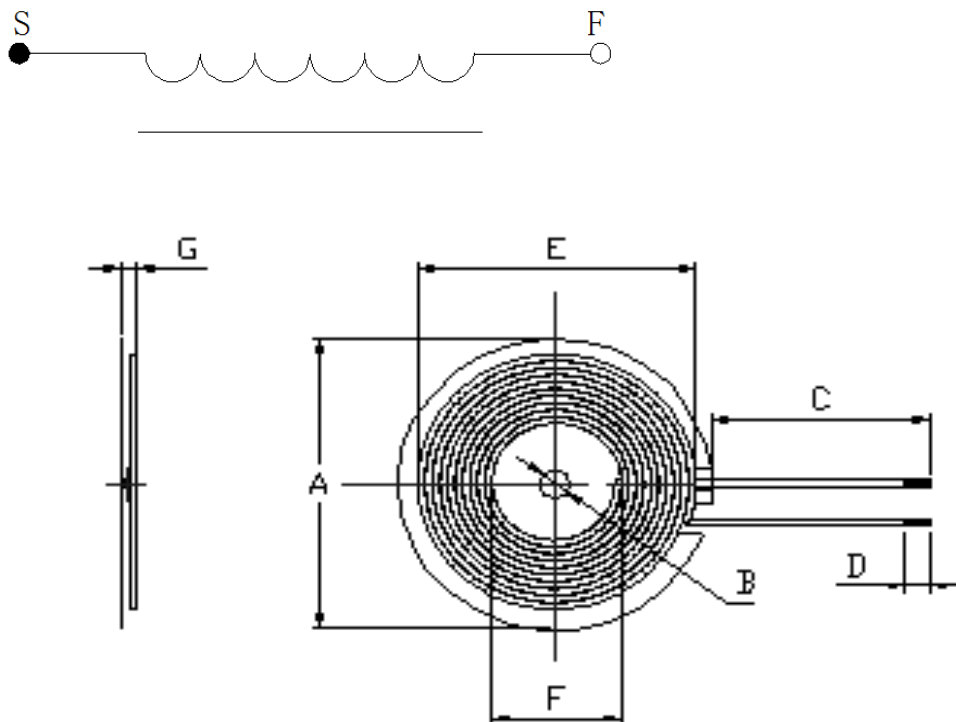
Version Change History

Rev.	Before Change	After Change	Change Date	Approved By
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SPECIFICATION

DESC	A11 50*0.8 10UH L45MM	Rev: A.0	CUST:	
			CUST P/N:	
1. DIMENSION:(mm)			A	49. 5. 0±0. 5
			B	5. 0±1. 0
			C	45MM±2

2. SCHEMATIC DIAGRAM:



Note:

1. Cross out cables;
2. Wrap 8mm high temperature adhesive paper 1-2Ts in the outlet position (ref);
3. The coil is attached to the circular hard magnetic sheet with groove, the size of the magnetic sheet is 49.5 ± 0.5 mm, the inner hole is 5mm, and the thickness is 0.8 ± 0.2 mm.

3. Winding Specification:

NO.	TERMINAL		WIRE	Turns	Winding Direction
1	S	F	0.08*105P	12Ts	CCW

Antenna gain:0dBi

4. ELECTRICAL CHARACTERISTICS:

TEMPERATURE: $25 \pm 10^\circ\text{C}$, RELATIVE HUMIDITY: $65 \pm 20\%$

NO.	ITEM	TERMINAL	SPECIFICATION	TEST FREQUENCY	TEST EQUIPMENTS
1	IND.	S-F	$4.6\mu\text{H} \pm 20\%$ Individual coil	100KHz/1.0V	LCZ METER 1062B
2	IND.	S-F	$10\mu\text{H} \pm 10\%$ Magnetic plate	100KHz/1.0V	LCZ METER 1062B
3	DCR	S-F	$\leq 50\text{m}\Omega$		LCZ METER 502B

PREPARED BY/DATE

Xiang Wang 2022/11/1

CHECKED BY/DATE

Shuguang Huang 2022/11/1