Specification for Approval

CUSTOMER:

CUST P/N:

P/N: TX-WPCX-D42.5*0.6-7.8UH

DESC: 20.5*39-0.08*80P-11TS-5mm-D42.5*0.6， -6.5uh

DATE: Jan 18, 2024

Version: A.0

PREPARED BY	CHECKED BY	APPROVED BY	CUSTOMER APPROVE

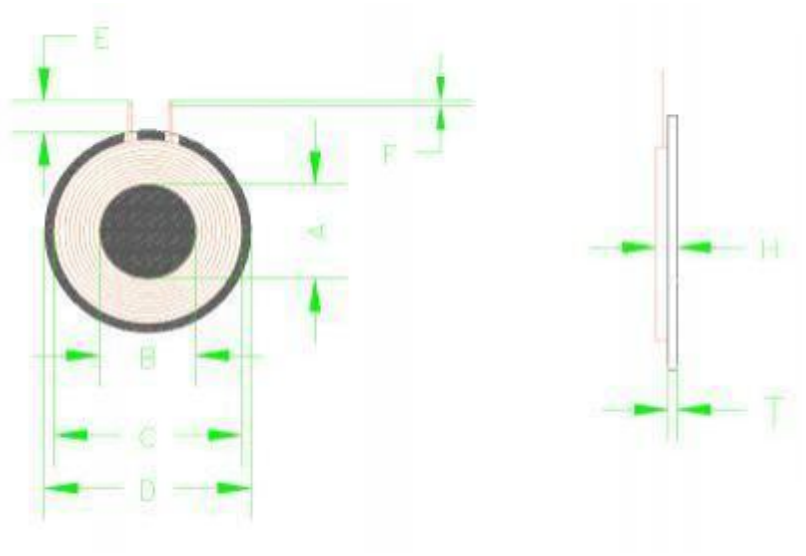
Version Change History

Rev.	Before Change	After Change	Change Date	Approved By
A.0	New	----	Jan 18, 2024	Jing Wang

SPECIFICATION

DESC	20.5*39-0.08*80P-11TS-5mm-D42.5*0.6 Tape: -6.5uH）	Rev：A.0	CUST:	
			CUST P/N:	

一、DIMENSION:(mm)



A Dia.	20±1mm
B Dia.	20.5±0.5mm
C Dia.	39±1mm
D Dia.	42.5±1mm
E Length	6±2mm
F Length	5mmMAX
T Thickness	0.6±0.2mm
H Height	2.5mmMAX

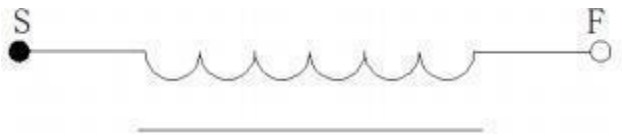
天线增益 Antenna gain:

Operation frequency:	113kHz-205kHz
Antenna Type:	Loop coil Antenna
Antenna gain:	0dBi

Remarks:

1. Cross out of the coil, don't loosen the wires.
2. Coils are not in a flat D42.5*0.6mm ferrite magnet
3. D20*1.0 hard magnet in the middle
4. Thickness: 2.5mmMAX;
5. Cables soldered

二、SCHEMATIC DIAGRAM



三、Winding Specification:

NO.	TERMINAL		WIRE	Turns	Winding Direction
1	S	F	0.08*80P	11Ts	anticlockwise

四、ELECTRICAL CHARACTERISTICS:

TEMPERATURE:25±10°C, RELATIVE HUMIDITY:65±20%

NO.	ITEM	TERMINAL	SPECIFICATION	TEST FREQUENCY	TEST EQUIPMENTS
1	IND.	S-F	4.5 uH±10%	100KHz/1.0V	LCZ METER 1062B
2	IND.	S-F	6.5 uH±10%	100KHz/1.0V	LCZ METER 1062B
3	DCR	S-F	600mΩ Max		LCZ METER 502B

PREPARED BY/DATE	CHECKED BY/DATE
Weihao Zeng Jan 18, 2024	Yan Zhang Jan 18, 2024