

Acknowledgement

SPECIFICATION FOR APPROVAL

client

CUSTOMER:

Customer ID:

CUST P/N:

Tian Xia Material Number:

TX P/N:

TX-D42.5*5.3*0.8-8UH

Product Type
DESC20.5*39-0.08*80P-11TS-20mm-
D42.5*5.3*0.8 double groove wire harness with adhesive backing-8μH

date

2025/12/24

DATE:

printing plate

stem or root of plants :

A.0

Version:

PREPARED BY	Checked by	Approved by	Customer approval
Luo Xiongbin	Yan Zhang	Luo Yongjun	

Shenzhen Tianxia Technology Co., Ltd.

Address: Room 523-525, C33 Science and Technology Park, 33
District, Baoan District, Shenzhen, China

TEL: 18718699959

E-mail: 2321113770@qq.com

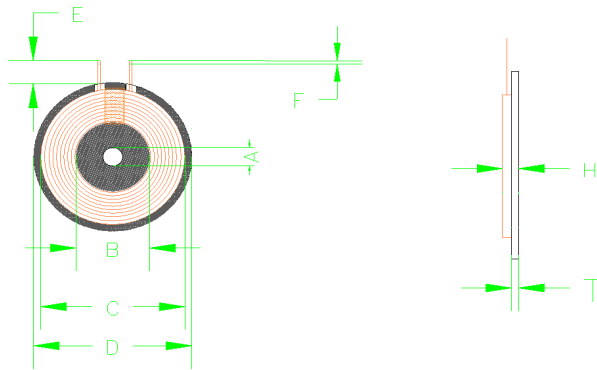
Version Change History

[illegible]

SPECIFICATION

Product type: DESC	20.5*39-0.08*80P-11TS-20mmD42.5*5.3* 0.8 double groove wire exit with back adhesive-8uh	Rev: A.0	Customer CUST:	
			Customer part number CUST P/N:	

1. Dimension (mm)



Inner hole of magnetic disk	$5.3 \pm 0.3\text{mm}$
Inner diameter of B coil	$20.5 \pm 0.5\text{mm}$
Outer diameter of C coil	$39.0 \pm 1\text{mm}$
D outer diameter of magnetic disk	$42.5 \pm 0.5\text{mm}$
E length of lead	$20 \pm 2\text{mm}$
F tin length	4mmMAX
T magnetic film thickness	$0.8 \pm 0.1\text{mm}$
H aggregate thickness	2.2mm MAX (without leads)

Pour :

1. The coil wires must not be untied when crossing.

2. Non-planar coil

Attach a 42.5*5.3*0.8mm ferrite hard magnetic sheet.

3. total coil thickness

The maximum diameter is 2.2mm (excluding the lead wires).

4. Double-line tin dipping. The wire end is covered with high-temperature adhesive tape.

5. A 20*0.8mm small magnetic disk is attached to the center of the coil.

II. SCHEMATIC DIAGRAM



3. Winding Specification:

Order number NO.	Terminal		Wire diameter	Number of turns Turns	Winding Direction
1	S	F	0.08*80P	11Ts	Anticlockwise

IV. ELECTRICAL CHARACTERISTICS:

Temperature: $25 \pm 10^\circ\text{C}$; Relative Humidity: $65 \pm 20\%$

Order number NO.	Project ITEM	Terminal TERMINAL	Standard SPECIFICATION	Test condition TEST FREQUENCY	Measuring and test instruments TEST EQUIPMENTS
1	IND.	S-F	$5.5 \mu\text{H} \pm 10\%$ single coil	100KHz/1.0V	LCZ METER 1062B
2	IND.	S-F	$8.0 \mu\text{H} \pm 10\%$ with magnetic sheet	100KHz/1.0V	LCZ METER 1062B
3	DCR	S-F	600m Ω Max		LCZ METER 502B

PREPARED BY/DATE

Checked by: Date

Luo Xiongbin 2025/12/24

Zhang Yan 2025/12/24