



Shenzhen Chenxing Electronic Technology Co., Ltd.

PRODUCT SPECIFICATION FOR APPROVAL

CUSTOMER: Shenzhen Pilot Technology Co., Ltd

PRODUCT NAME: MPP emission coil

PART No. 0403003-0142

PRODUCT SPEC:

8.2uH magnetic sheet 42.4*1 dual slots (straight) + 18*0.8 grooved / $\pm 10\%$ / wire 0.08*80*11TS (inner diameter 20.5mm/outer diameter 40mm) / lead-out length 35mm / 3mm heat shrink tape / bottom adhesive / ROHS

DATE: May 29, 2025

VERSION: REV 1.0

Revision	Modified Content	Principle	Date	Note
REV 1.0	first release	Zhou Xiaojun	2025-05-29	

PREPARED BY	CHECKED BY	APPROVED BY
Li Xiaoyun	Zhou Xiaojun	

Authorized signature & company chop		
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Company Name: Shenzhen Chenxing Electronic Technology Co., Ltd.

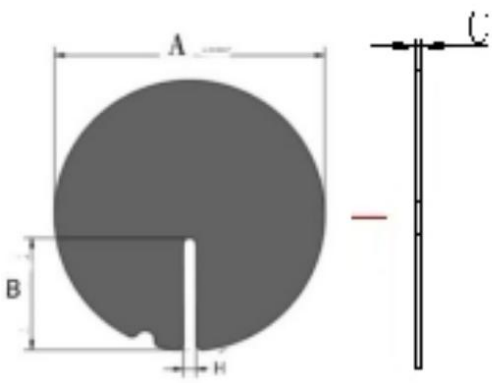
Factory Address: Building 1, New Kecheng Science and Technology Industrial Park, No. 51 Daobao Road, Xin'an Street, Bao'an District, Shenzhen City



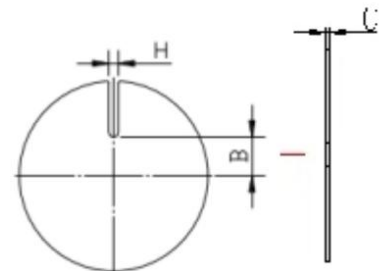
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SPECIFICATION

一、Disk size - 42.4 * 1.0 with slots

	Outer diameter of the magnetic disk A	$42.4 \pm 0.4\text{mm}$
	Depth of the straight groove B	$17.56 \pm 0.2\text{mm}$
	Disk thickness C	$1.0 \pm 0.05\text{mm}$
	Straight groove width H	$2.4 + 0.15 / - 0.1$

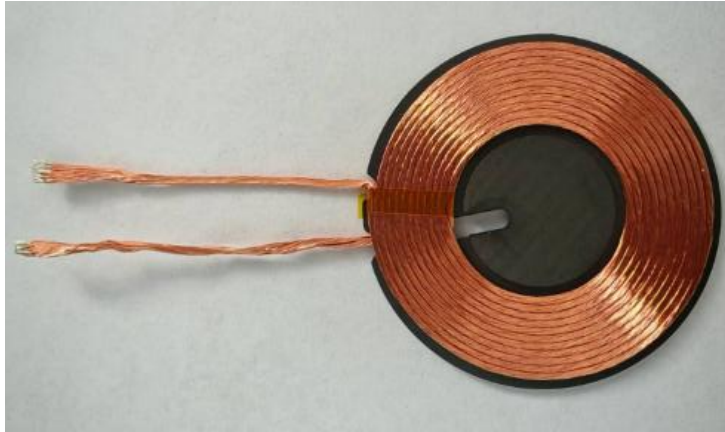
二、Disk size - 18 * 0.75 straight groove

	Outer diameter of the magnetic disk A	$18 \pm 0.3\text{mm}$
	B	$3.6 \pm 0.15\text{mm}$
	Disk thickness C	$0.75 \pm 0.08\text{mm}$
	Straight groove width H	$2.4 + 0.15 / - 0.1\text{mm}$



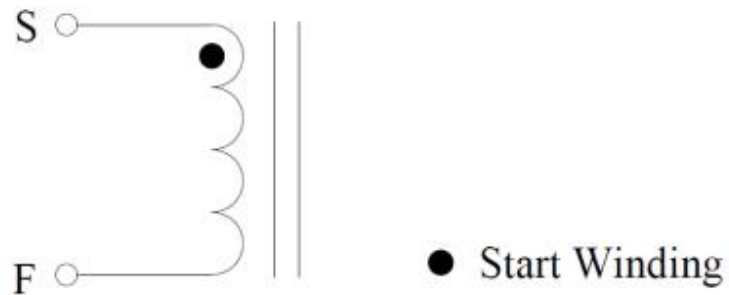
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三、Physical diagram of the coil



Inner diameter of the coil	$20.5 \pm 0.5\text{mm}$
Outer diameter of the coil	$40 \pm 1.5\text{mm}$
Product thickness	$< 2.3\text{mm}$
Outlining length	$35 \pm 2\text{mm}$
Length of the tip of the tin	$2-4\text{mm}$
gum	Reverse side ordinary double-sided adhesive tape
high-temperature tape	3mm

四、schematic diagram



五、Winding parameters

TERMINAL		WIRE	Turns	Winding Direction
S	F	Enamel-coated wire, 0.08*80P, double-strand parallel winding	11Ts	CCW



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六、electrical specification:

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

ITEM	TERMINAL	SPECIFICATION	TEST FREQUENCY	TEST EQUIPMENTS
IND.	S-F	L: 8.1uH±10% Q: Greater than 70	100KHz/1.0V	LCZ METER 1062B

七、product picture

