

SPECIFICATION FOR APPROVAL

CUSTOMER:

CUST P/N:

FINE P/N:

DESC:

DATE:

Version:

G43.5 - 6.5uH Single coil 0.08*24*2P*10TS**Φ43.5MMX5.3MMX0.6MM****2024/01/08****A.0**

PREPARED BY	CHECKED BY	APPROVED BY	CUSTOMER APPROVE
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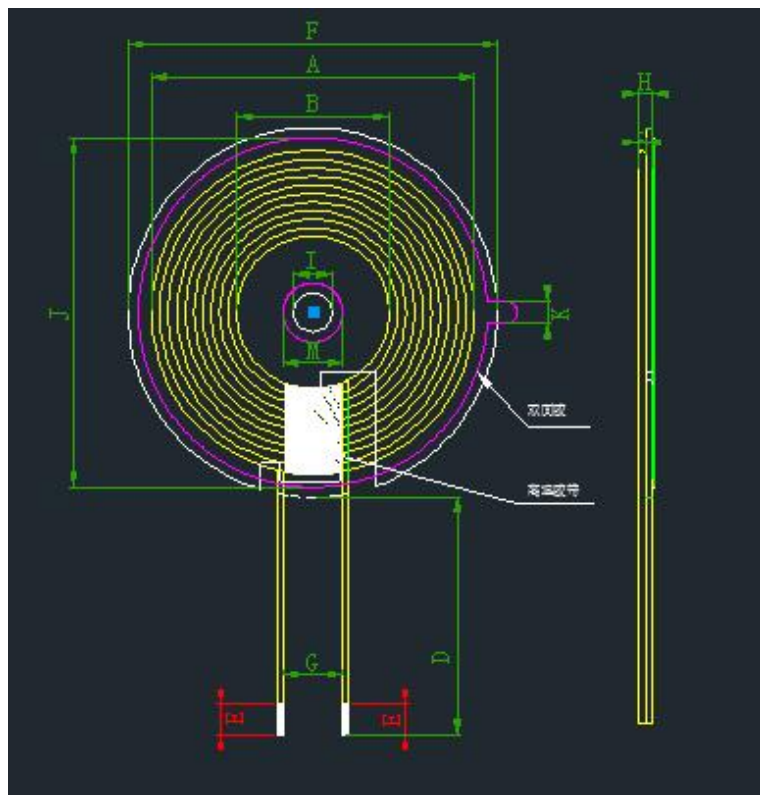
Version Change History

[illegible]

SPECIFICATION

DESC	$\Phi 43.5\text{MM} \times 5.3\text{MM} \times 0.6\text{MM}$	Rev: A.0	CUST:	XXX
			CUST P/N:	

一、DIMENSION:(mm)

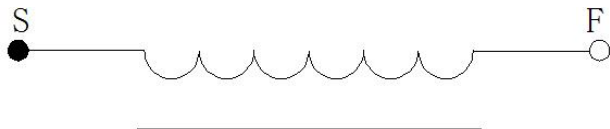


A	38.5 ± 0.5
B	20.5 ± 0.5
C	1.25 Max
D	65 ± 2
E	3 ± 2
F	43 ± 0.6
G	8 ± 2
H	1.5 ± 0.2
I	5.3 ref
M	8.0 ref
J	40.5 ± 1
K	3.0 ± 1

Note:

1. Cross-line method;
2. Apply 7mm (ref) width heat-resistant adhesive tape at the exit position for 1-2 times;
3. Adhesive the coil onto the circular hard magnetic sheet with slots. The size of the magnetic sheet is $43 \pm 0.6\text{mm}$, the inner hole is 5.3mm , and the thickness is $0.6 \pm 0.2\text{mm}$. The backside of the magnetic sheet is coated with adhesive.

二、SCHEMATIC DIAGRAM:



三、Winding Specification:

NO.	TERMINAL		WIRE	Turns	Winding Direction
1	S	F	Self-adhesive enameled wire 0.08*24*2P	10Ts	CCW

四、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	$3.8\mu\text{H} \pm 20\%$ Single coil	100KHz/0.25V	UC2836
2	IND.	S-F	$6.5\mu\text{H} \pm 10\%$ with magnetic sheet	100KHz/0.25V	UC2836
3	DCR	S-F	$\leq 84\text{m}\Omega$	100KHz/0.25V	UC2836
4	Q	S-F	4	100KHz/0.25V	UC2836

acclimatization

parameter	numerical value
operating temperature	-20℃ — +105℃
storage temperature	-20℃ — +70℃
PREPARED BY/DATE	CHECKED BY/DATE
Huang Yanming 2024/01/08	Huang Jinhua 2024/01/08