

SPECIFICATION FOR APPROVAL

CUSTOMER:	
CUST P/N:	
FINE P/N:	G43.5-7.5uH Single Coil 0.08*105P*13TS
DESC:	Φ43.5mm*5.0mm*0.6mm Double-groove
DATE:	2024/04/10
Version:	A0

PREPARED BY	CHECKED BY	APPROVED BY	CUSTOMER APPROVE
Huang	Ning	Huang	

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SPECIFICATION

DESC	Φ 13.5*42-7.5uH-0.08*105P-50mm-43.5C	VER: A.0	CUST:			
			CUST P/N:			
1. DIMENSION:(mm)					A	43. 5. 0±0. 5
					B	42±1
					C	13. 5±0. 5
					D	50±2
					E	3±2
					F	3±0. 2
					Note:	
					1. Crossed wire;	
					2. Wrap 7mm(ref) width high-temperature adhesive paper 1-2Ts around the outlet position;	
					3. The coil is attached to the circular hard magnetic sheet with groove, the magnetic sheet size is 43.5±0.5mm, the inner hole is 5.3mm, the thickness is 0.6±0.2mm, the EVA adhesive thickness is 1.0mm, the total thickness is 2.9-3.1mm.	
2.SCHEMATIC DIAGRAM:						

3.Winding Specification:

NO.	TERMINAL		WIRE	Turns	Winding Direction
1	S	F	Silk-covered wire 0.08*105P	13Ts	CCW

4.ELECTRICAL CHARACTERISTICS:

Temperature:25±10°C, Relative humidity:65±20%

NO.	ITEM	TERMINAL	SPECIFICATION	TEST FREQUENCY	TEST EQUIPMENTS
1	IND.	S-F	4.2uH ±20% Single coil	100KHz/0.25V	LCZ METER 1062B
2	IND.	S-F	7.5uH ±10% magnetic sheet added	100KHz/0.25V	LCZ METER 1062B
3	Q factor	S-F	≥62	100KHz/0.25V	LCZ METER 502B
4	DCR	S-F	≤51m Ω	100KHz/0.25V	LCZ METER 502B

PREPARED BY/DATE	CHECKED BY/DATE
Huang 2024/04/10	Huang 2024/04/10