

CUSTOMER

KFT-107

ROHS

SPECIFICATION FOR APPROVAL

MODEL NO. : G43.5

KEFEITE NO. : 107-M8-G43.5-0.08X105PX10TS-6.3uH-10mm

CUSTOMER P/N: M8-G43.5-6.3uH-10mm

DATE : 2024/01/20

REV : A1

※产品符合: ☒RoHS ☐PAHS ☐6P ☐REACH

PLEASE RETURN TO US COPY OF "SPECIFICATION FOR APPROVAL" WITH YOUR APPROVED SIGNATURES.

	"√"	CUSTOMER'S SIGNATURE	NOTE
FULL APPROVED			
CONDITIONAL APPROVED			
REJECTED			

SHENZHEN KEFEITE ELELECTRONICS CO., LTD

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SHENZHEN KEFEITE ELECTRONICS CO., LTD

CUSTOMER:	KFT-107	VERSION:	A1	
CUSTOMER NO:	M8-G43.5-6.3uH-5mm	PAGE:	2/4	
KFT P/N:	107-M8-G43.5-0.08X105PX10TS-6.3uH-10mm	Date:	2024/01/20	
VERSION	MODIFY THE CONTENT	Date	Drawn By	Checked By
A1	New Version	2024/01/20	FIG0	QIONJIN 

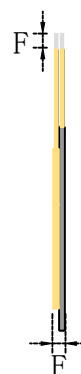
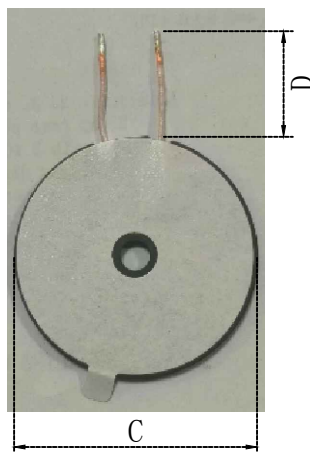
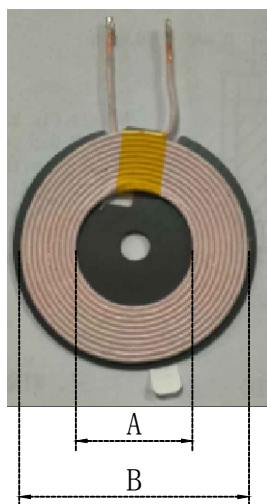
NOTES:



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1. CONFIGURATION&DIMENSIONS:



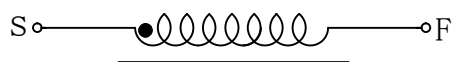
A	$20.5 \pm 1.0\text{mm}$
B	$40.5 \pm 1.0\text{mm}$
C	$43.5 \pm 0.5\text{mm}$
D	$10 \pm 1.0\text{mm}$
E	$2.5 \pm 1.0\text{mm}$
F	2.8mm MAX

1. Fixing tape (0.05X8mm), Adjustable.
2. Double sided adhesive tape on the back of the product
3. H dimension includes the thickness of release paper

2. ELECTRICAL CHARACTER:

PROJECT	SPECIFICATIONS	TEST CONDITIONS	TEST INSTRUMENT
(Ls)	$6.3 \pm 10\% \mu\text{H}$	10KHZ/1.0V	CH1062
(RDC)	$\leq 45\text{m}\Omega$	At: 25°C	HG2512
(Q)	≥ 56	100KHZ/1.0V	CH1062

3. SCHEMATIC



4. PART NUMBERING: PRODUCT IDENTIFICATION

107	G43.5	0.08X105PX10TS	6.3uH	10mm	
					Line Length
					Inductance
					Wire Diameter
					Magnetic Sheet Specification
					Customer number

DRAWN BY:	CHECKED BY:	Q. C DEPT:	APPROVED BY:
FI GO	QIONJINFU		W. J. J





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5. MATERIAL LIST:

NO	ITEM	DESCRIPTION	RATING	SUPPLIERS	UL NO.	REMARK
1	WIRE	Acetone line	155℃	SHANTOU SHENGANG ELECTRICAL INDUSTRIAL CO., LTD	E239508	
2	SOLDER	99.3/0.7		SHENZHEN Hong Xing Wei solder Limited		
3	CORE	43.5X5.0X0.72mm		Changxing BO Cheng Electronics CO., LTD		
4	EPOXY	1603HFR-HS		DONGBU FINE CHEMICAL CO LTD		
5	TAPE	PI 260℃		SU ZHOU MAILADUONA ELECTRIC MATERIAL CO., LTD	E188295	

6. GENERAL SPECIFICATION:

- 1 Tested at 1.0KHZ/0.25Vrms, 0 Adc.
Average current for 40℃ temperature rise from 25℃.
- 2 Saturation current (Isat):
Inductance drop: 10% typ at Isat.
- 3 Heat rating current (Irms):
 $L @ Irms = \Delta T \leq 40^{\circ}C$.
- 4 Electrical specifications at 25℃
- 5 Storage Temp: -40℃....+85℃
- 6 Operating Temp: -40℃....+85℃

Antenna Gain	
Operating Frequency	110-205kHz
Antenna Type	Inductive loop coil Antenna
Gain	0 dBi

DRAWN BY:	CHECKED BY:	Q. C DEPT:	APPROVED BY:
FI GO	QIONJINFU		W. J. J 