

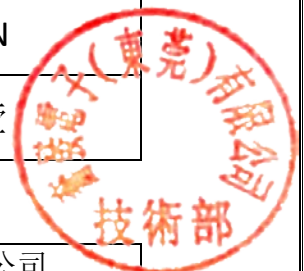


SPECIFICATION FOR APPROVAL

CUSTOMER	
CUSTOMER P/N	
DESCRIPTION/SPEC	SFRH127T Series
EDITION	A
DATE	2024-12-18

CUSTOMER APPROVAL		
APPROVED	CHECKED	DESIGN

FENFA APPROVAL		
APPROVED	CHECKED	DESIGN
马德邦	石启明	马雪莹



奮發電子有限公司	奮發電子（東莞）有限公司 FENFA ELECTRONICS (DONGGUAN) CO., LTD
FENFA ELECTRONICS LTD.	东莞市中禹智能科技有限公司 ZHONGYU INTELLIGENT TECHNOLOGY (DONGGUAN) CO., LTD.
Flat Q, 3/F, Phase 1, Kwun Tong Ind. Centre, 460 Kwun Tong Road, Kowloon, Hong Kong	3/F, No.5 Hui Cheng Science Park, Xia Keng No.3 Industrial Road, Chang Ping Town, Dongguan, Guangdong Province, China
Tel: (852) 2372 0880, Fax: (852) 2372 0131	Tel: (86) 769-86291668 ext - 621
Website: www.coilsfenfa.com	
E-mail: sales@coilsfenfa.com	

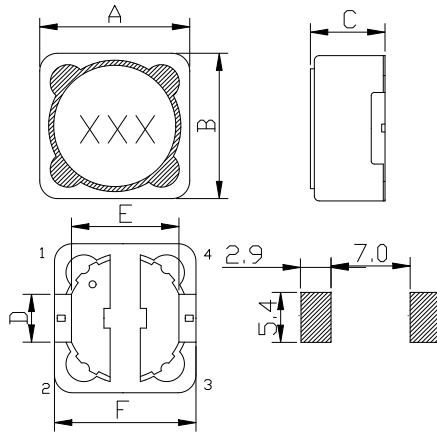


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I . CONFIGURATION&DIMENSIONS:

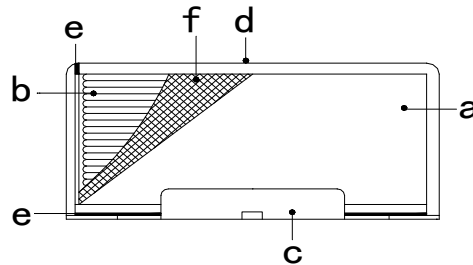


A:12.0±0.3 mm
B:12.0±0.3 mm
C:8.0max mm
D:5.0±0.2 mm
E:7.6±0.2 mm
F:12.0±0.2 mm

Remark: XXX is inductance

II . MATERIALS:

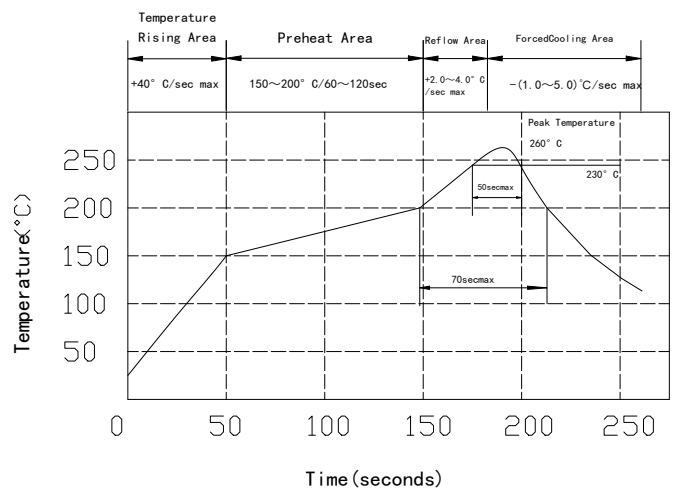
NO.	DESCRIPTION
a.	CORE
b.	WIRE
c.	BASE
d.	INKING
e.	EPOXY
f.	TAPE



III . GENERAL SPECIFICATION:

1. Tested at 1KHz,0.1Vrms,0 Adc.
2. DC current at which the inductance drops 30% typ from its value without current.
3. Average current for 40°C temperature rise from 25°C.
4. Electrical specifications at:25°C
5. Storage temp range:-40°C-----+85°C
6. Operating temp range:-40°C-----+125°C

PeakTemp:260°C max
 Max time above230° C:50secmax
 Max time above200° C:70secmax



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PART NO	Ls	DCR max	Isat max	TEST FREQ.
	(uH)	(mΩ)	(A)	(Hz)
<input type="checkbox"/> SFRH127T-1R2N-R-S-LF	1.2	7	9.80	100K/0.1V
<input type="checkbox"/> SFRH127T-2R4N-R-S-LF	2.4	11.5	8.00	100K/0.1V
<input type="checkbox"/> SFRH127T-3R5N-R-S-LF	3.5	13.5	7.50	100K/0.1V
<input type="checkbox"/> SFRH127T-4R7N-R-S-LF	4.7	15.8	6.80	100K/0.1V
<input type="checkbox"/> SFRH127T-6R1N-R-S-LF	6.1	17.6	6.60	100K/0.1V
<input type="checkbox"/> SFRH127T-7R6N-R-S-LF	7.6	20.0	5.90	100K/0.1V
<input type="checkbox"/> SFRH127T-100M-R-S-LF	10.0	21.6	5.40	1K/0.1V
<input type="checkbox"/> SFRH127T-120M-R-S-LF	12.0	24.3	4.90	1K/0.1V
<input type="checkbox"/> SFRH127T-150M-R-S-LF	15.0	27	4.50	1K/0.1V
<input type="checkbox"/> SFRH127T-180M-R-S-LF	18.0	39.2	3.90	1K/0.1V
<input type="checkbox"/> SFRH127T-220M-R-S-LF	22.0	43.2	3.60	1K/0.1V
<input type="checkbox"/> SFRH127T-270M-R-S-LF	27.0	45.9	3.40	1K/0.1V
<input type="checkbox"/> SFRH127T-330M-R-S-LF	33.0	64.8	3.00	1K/0.1V
<input type="checkbox"/> SFRH127T-390M-R-S-LF	39.0	72.9	2.75	1K/0.1V
<input type="checkbox"/> SFRH127T-470M-R-S-LF	47.0	100	2.50	1K/0.1V
<input type="checkbox"/> SFRH127T-560M-R-S-LF	56.0	110	2.35	1K/0.1V
<input type="checkbox"/> SFRH127T-680M-R-S-LF	68.0	140	2.10	1K/0.1V
<input type="checkbox"/> SFRH127T-820M-R-S-LF	82.0	160	1.95	1K/0.1V

FENFA ELECTRONICS (DONGGUAN) CO., LTD.

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PART NO	Ls	DCR max	Isat max	TEST FREQ.	
	(uH)	(mΩ)	(A)	(Hz)	
<input type="checkbox"/> SFRH127T-101M-R-S-LF	100	220	1.7	1K/0.1V	
<input type="checkbox"/> SFRH127T-121M-R-S-LF	120	250	1.6	1K/0.1V	
<input type="checkbox"/> SFRH127T-151M-R-S-LF	150	280	1.42	1K/0.1V	
<input type="checkbox"/> SFRH127T-181M-R-S-LF	180	350	1.3	1K/0.1V	
<input type="checkbox"/> SFRH127T-221M-R-S-LF	220	390	1.16	1K/0.1V	
<input type="checkbox"/> SFRH127T-271M-R-S-LF	270	560	1.06	1K/0.1V	
<input type="checkbox"/> SFRH127T-331M-R-S-LF	330	640	0.95	1K/0.1V	
<input type="checkbox"/> SFRH127T-391M-R-S-LF	390	700	0.88	1K/0.1V	
<input type="checkbox"/> SFRH127T-471M-R-S-LF	470	980	0.79	1K/0.1V	
<input type="checkbox"/> SFRH127T-561M-R-S-LF	560	1070	0.73	1K/0.1V	
<input type="checkbox"/> SFRH127T-681M-R-S-LF	680	1460	0.67	1K/0.1V	
<input type="checkbox"/> SFRH127T-821M-R-S-LF	820	1640	0.6	1K/0.1V	
<input type="checkbox"/> SFRH127T-102M-R-S-LF	1000	1820	0.55	1K/0.1V	

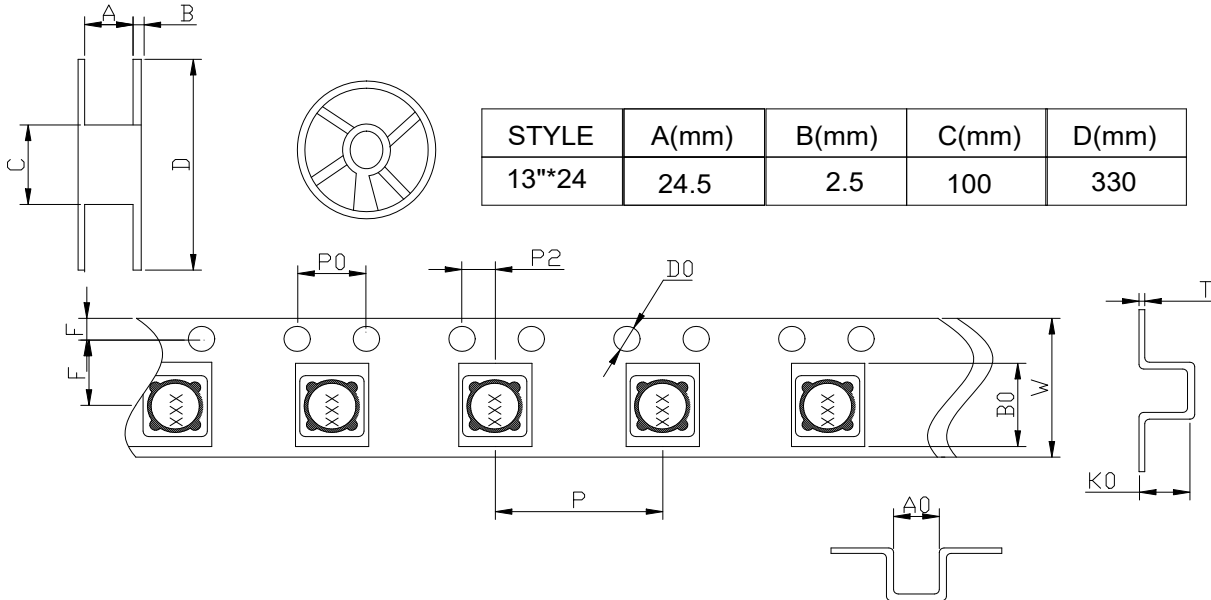
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PACKAGE:

9. Packaging Information
9-1 Reel Dimension Tape Dimension



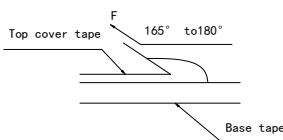
STYLE	A(mm)	B(mm)	C(mm)	D(mm)
13"*24	24.5	2.5	100	330

STYLE	W	E	F	P	P0	P2	D0
24mm	24.0±0.3	1.75±0.1	11.5±0.1	16.0±0.1	4.0±0.1	2.0±0.10	1.5±0.1
	T	A0	B0	K0			
	0.4±0.05	12.4±0.1	12.4±0.1	8.3±0.1			

9-2 Packaging Quantity

SERIES	1 REEL		INNER CARTON		MIDDLE CARTON			OUTER CARTON		
	Q TY(PCS)	REEL	Q TY(PCS)	SIZE(mm)	REEL	Q TY(PCS)	SIZE(mm)	REEL	Q TY(PCS)	SIZE(mm)
SFRH127T	500	2	1000	345*340*70				4	2000	360*350*156

9-3 Tearing off Force



The force for tearing off cover tape is 5 to 120 grams in the arrow direction under the following conditions

Room Temp (°C)	Room Humidity (%)	Room aim (hpa)	Room Speed mm/min
5-35	45-85	860-1060	300

Application Notice
Storage Conditions

To maintain the solderability of terminal electrodes:

1. Temperature and humidity conditions: Less than 40°C and 70% RH.
2. Recommended products should be used within 6 months from the time of delivery.
3. The packaging material should be kept where no chlorine or sulfur exists in the air.

Transportation

1. Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
2. The use of tweezers or vacuum pick ups is strongly recommended for individual components.
3. Bulk handling should ensure that abrasion and mechanical shock are minimized.