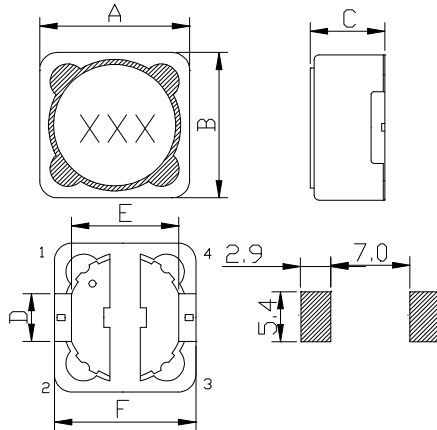


SPECIFICATION FOR APPROVAL

TPRHC1207-Series

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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

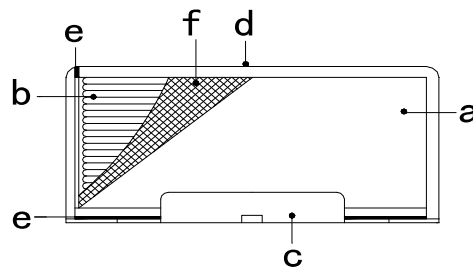
F:12.0±0.2 mm

Remark: XXX is inductance

II .MATERIALS:

NO. DESCRIPTION

- a. CORE
- b. WIRE
- c. BASE
- d. INKING
- e. EPOXY
- f. TAPE



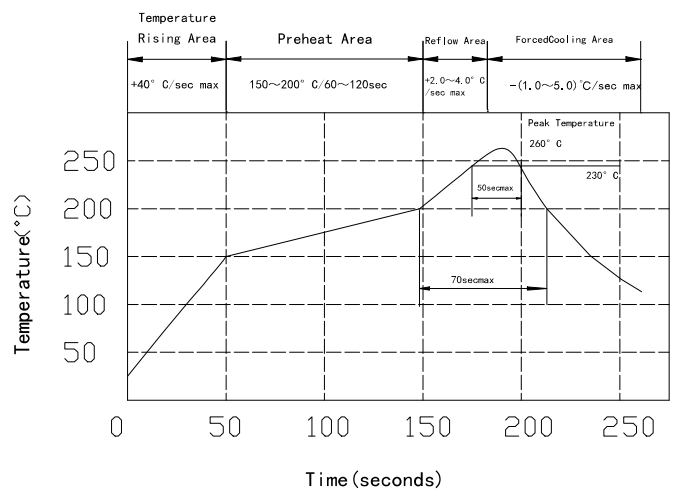
III .GENERAL SPECIFICATION:

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



SPECIFICATION FOR APPROVAL

TPRHC1207-Series				Rev.No.	A
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PART NO	Ls	DCR max	Isat max	TEST FREQ.	
	(uH)	(mΩ)	(A)	(Hz)	
☐ TPRHC1207-1R2NF	1.2	7	9.80	100K/0.1V	
☐ TPRHC1207-2R4NF	2.4	11.5	8.00	100K/0.1V	
☐ TPRHC1207-3R5NF	3.5	13.5	7.50	100K/0.1V	
☐ TPRHC1207-4R7NF	4.7	15.8	6.80	100K/0.1V	
☐ TPRHC1207-6R1NF	6.1	17.6	6.60	100K/0.1V	
☐ TPRHC1207-7R6NF	7.6	20.0	5.90	100K/0.1V	
☐ TPRHC1207-100MF	10.0	21.6	5.40	1K/0.1V	
☐ TPRHC1207-120MF	12.0	24.3	4.90	1K/0.1V	
☐ TPRHC1207-150MF	15.0	27	4.50	1K/0.1V	
☐ TPRHC1207-180MF	18.0	39.2	3.90	1K/0.1V	
☐ TPRHC1207-220MF	22.0	43.2	3.60	1K/0.1V	
☐ TPRHC1207-270MF	27.0	45.9	3.40	1K/0.1V	
☐ TPRHC1207-330MF	33.0	64.8	3.00	1K/0.1V	
☐ TPRHC1207-390MF	39.0	72.9	2.75	1K/0.1V	
☐ TPRHC1207-470MF	47.0	100	2.50	1K/0.1V	
☐ TPRHC1207-560MF	56.0	110	2.35	1K/0.1V	
☐ TPRHC1207-680MF	68.0	140	2.10	1K/0.1V	
☐ TPRHC1207-820MF	82.0	160	1.95	1K/0.1V	

SPECIFICATION FOR APPROVAL

TPRHC1207-Series				Rev.No.	A
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PART NO	Ls	DCR max	Isat max	TEST FREQ.	
	(uH)	(mΩ)	(A)	(Hz)	
☐ TPRHC1207-101MF	100	220	1.7	1K/0.1V	
☐ TPRHC1207-121MF	120	250	1.6	1K/0.1V	
☐ TPRHC1207-151MF	150	280	1.42	1K/0.1V	
☐ TPRHC1207-181MF	180	350	1.3	1K/0.1V	
☐ TPRHC1207-221MF	220	390	1.16	1K/0.1V	
☐ TPRHC1207-271MF	270	560	1.06	1K/0.1V	
☐ TPRHC1207-331MF	330	640	0.95	1K/0.1V	
☐ TPRHC1207-391MF	390	700	0.88	1K/0.1V	
☐ TPRHC1207-471MF	470	980	0.79	1K/0.1V	
☐ TPRHC1207-561MF	560	1070	0.73	1K/0.1V	
☐ TPRHC1207-681MF	680	1460	0.67	1K/0.1V	
☐ TPRHC1207-821MF	820	1640	0.6	1K/0.1V	
☐ TPRHC1207-102MF	1000	1820	0.55	1K/0.1V	

SPECIFICATION FOR APPROVAL

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A

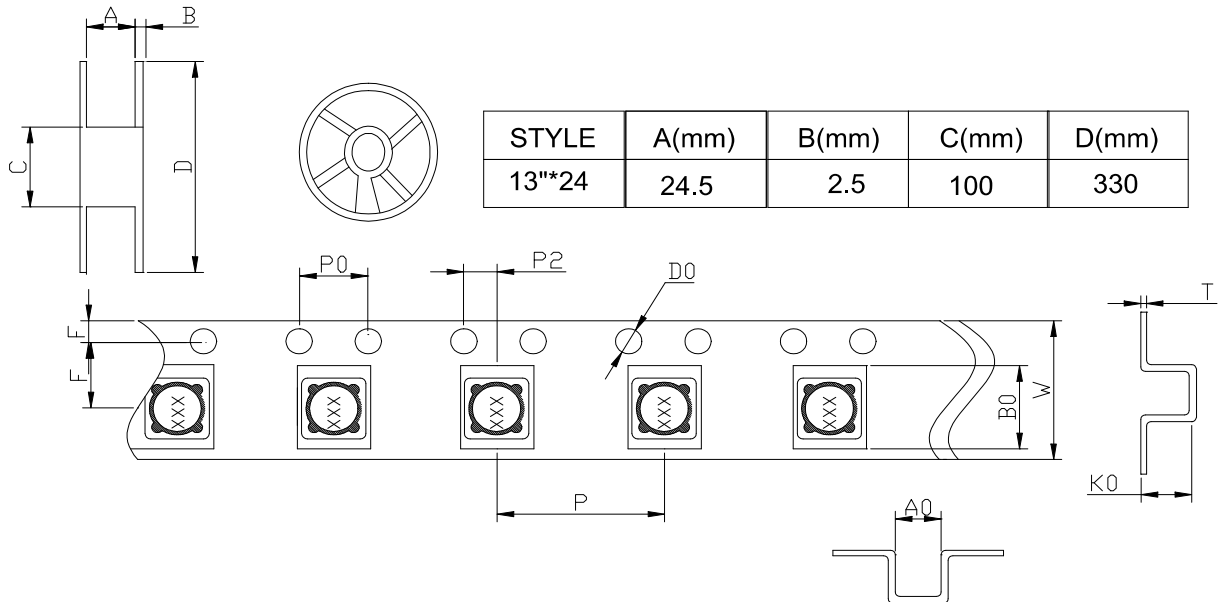
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PACKAGE:

9. Packaging Information

9-1Reel Dimension Tape Dimension

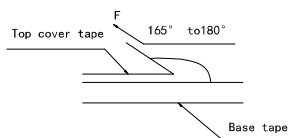


STYLE	W	E	F	P	P0	P2	D0
24mm	24.0±0.3	1.75±0.1	11.5±0.1	16.0±0.1	4.0±0.1	2.0±0.10	1.5±0.1
	T	A0	B0	K0			
	0.4±0.05	12.4±0.1	12.4±0.1	8.3±0.1			

9-2Packaging 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)
TPRHC1207	500	2	1000	345*340*70				4	2000	360*350*156

9-3Tearing 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.