

SPECIFICATION FOR APPROVAL

TPRHC0703-Series

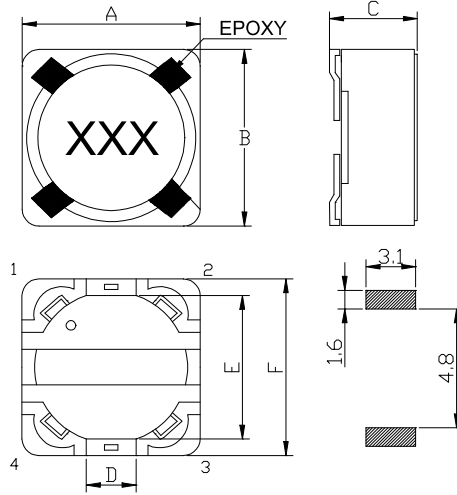
Rev.No.

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I .CONFIGURATION&DIMENSIONS:



A:7.30±0.2 mm

B:7.30±0.2 mm

C:3.2±0.2 mm

D:1.8ref mm

E:4.5±0.2 mm

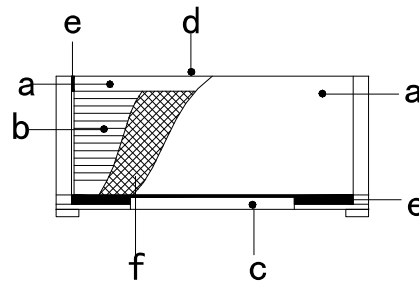
F:7.2±0.2 mm

Remark: XXX is inductance

II .MATERIALS:

NO. DESCRIPTION

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



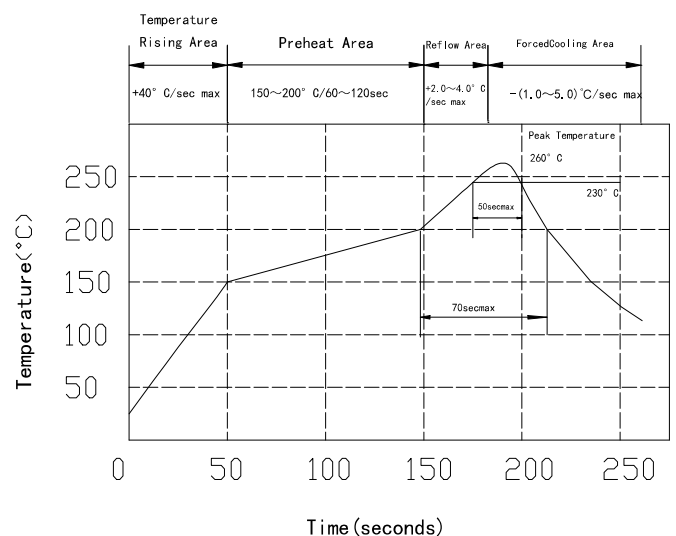
III.GENERAL SPECIFICATION:

1. Tested at 100KHz,0.25Vrms,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)	
☐ TPRHC0703-1R0MF	1.0	16	7.97	100K/0.25V	
☐ TPRHC0703-1R5MF	1.5	23	5.50	100K/0.25V	
☐ TPRHC0703-2R2MF	2.2	27	4.50	100K/0.25V	
☐ TPRHC0703-3R3MF	3.3	31	4.00	100K/0.25V	
☐ TPRHC0703-3R9MF	3.9	41	3.80	100K/0.25V	
☐ TPRHC0703-4R7MF	4.7	48	3.50	100K/0.25V	
☐ TPRHC0703-5R6MF	5.6	56	3.00	100K/0.25V	
☐ TPRHC0703-6R8MF	6.8	62	2.50	100K/0.25V	
☐ TPRHC0703-100MF	10.0	72	1.68	100K/0.25V	
☐ TPRHC0703-120MF	12.0	98	1.52	100K/0.25V	
☐ TPRHC0703-150MF	15.0	130	1.33	100K/0.25V	
☐ TPRHC0703-180MF	18.0	140	1.20	100K/0.25V	
☐ TPRHC0703-220MF	22.0	190	1.07	100K/0.25V	
☐ TPRHC0703-270MF	27.0	210	0.96	100K/0.25V	
☐ TPRHC0703-330MF	33.0	240	0.91	100K/0.25V	
☐ TPRHC0703-390MF	39.0	320	0.77	100K/0.25V	
☐ TPRHC0703-470MF	47.0	360	0.76	100K/0.25V	

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	(uH)	(mΩ)	(A)	(Hz)	
☐ TPRHC0703-560MF	56.0	470	0.68	100K/0.25V	
☐ TPRHC0703-680MF	68.0	520	0.61	100K/0.25V	
☐ TPRHC0703-820MF	82.0	690	0.57	100K/0.25V	
☐ TPRHC0703-101MF	100.0	790	0.5	100K/0.25V	
☐ TPRHC0703-121MF	120.0	890	0.49	1K/0.3V	
☐ TPRHC0703-151MF	150.0	1270	0.43	1K/0.3V	
☐ TPRHC0703-181MF	180.0	1450	0.39	1K/0.3V	
☐ TPRHC0703-221MF	220.0	1650	0.35	1K/0.3V	
☐ TPRHC0703-271MF	270.0	2310	0.32	1K/0.3V	
☐ TPRHC0703-331MF	330.0	2620	0.28	1K/0.3V	
☐ TPRHC0703-391MF	390.0	2940	0.26	1K/0.3V	
☐ TPRHC0703-471MF	470.0	4180	0.24	1K/0.3V	
☐ TPRHC0703-561MF	560.0	4670	0.22	1K/0.3V	
☐ TPRHC0703-681MF	680.0	5730	0.19	1K/0.3V	
☐ TPRHC0703-821MF	820.0	6540	0.18	1K/0.3V	
☐ TPRHC0703-102MF	1000.0	9440	0.16	1K/0.3V	

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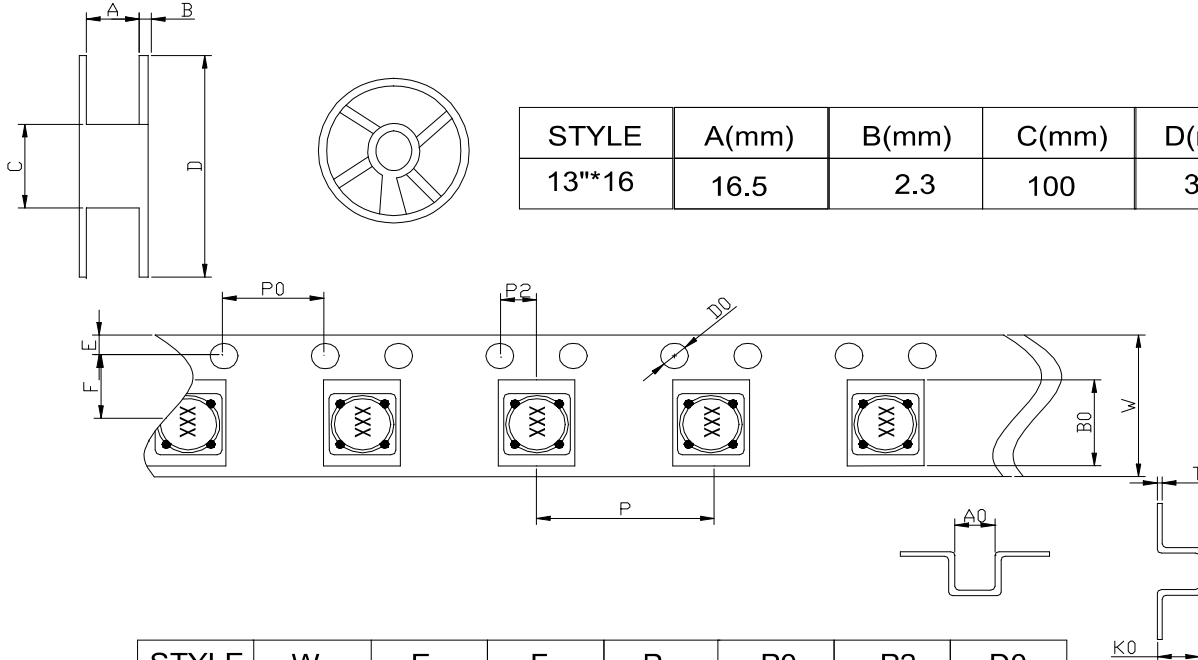
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PACKAGE:

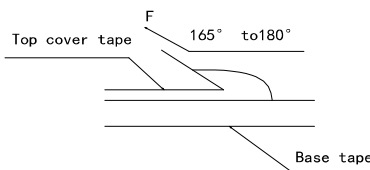
9. Packaging Information 9-1Reel Dimension Tape Dimension



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)
TPRHC0703	1000	3	3000	345*350*70				6	6000	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.