

SPECIFICATION FOR APPROVAL

CUSTOMER

CUSTOMER P/N

DESCRIPTION/SPEC

HNR252012C Series

EDITION

A

DATE

9/25/18

MADE BY: GAN JIAN RONG

CHECKED BY: XIA CHAO MING

APPROVED BY: XIA CHAO MING

CUSTOMER APPROVE

Please fax back after confirm of signature.

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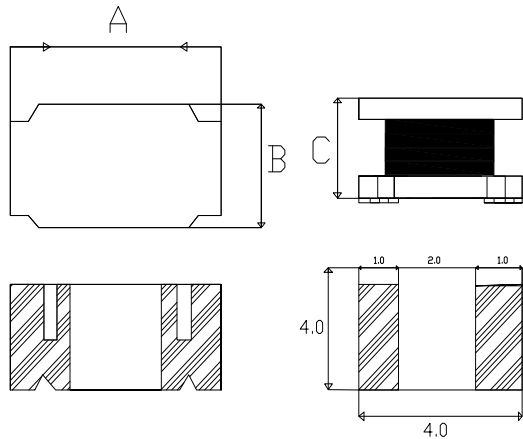
ISO9001:2000
ISO14001:2004

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I .CONFIGURATION&DIMENSIONS:



A:2.5±0.2 mm

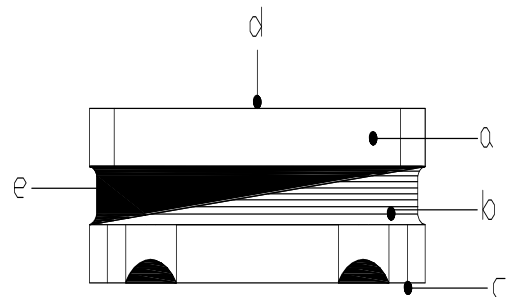
B:2.15±0.2 mm

C:1.2±0.2 mm

II .MATERIALS:

NO. DESCRIPTION

- a. CORE
- b. WIRE
- c. SOLDER
- d. INKING
- e. EPOXY



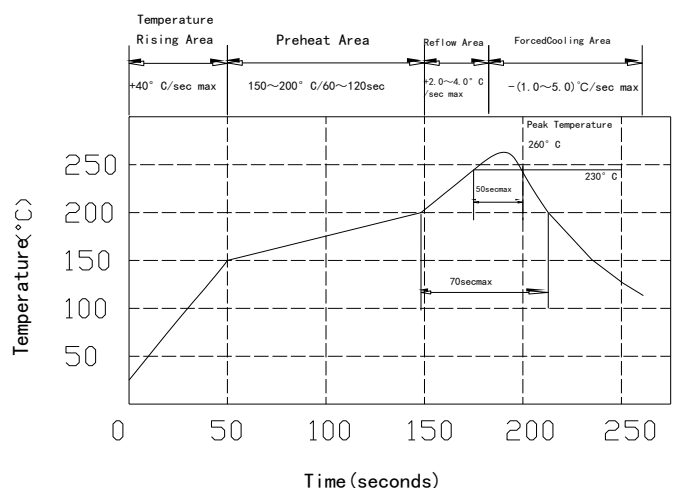
III.GENERAL SPECIFICATION:

- Tested at 1MHz,0.25Vrms,0 Adc.
- DC current at which the inductance drops 30%max.
from its value without current.
- Average current for 40°C temperature rise from 20°C.
- Electrical specifications at:20°C
- Storage temp range:-40°C----+125°C
- Operating temp range:-40°C-----+85°C

PeakTemp:260°C max

Max time above230° C:50secmax

Max time above200° C:70secmax



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[illegible]

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Meas. Item	Electrical character								
	Ls	DCR	IDC						
Spec.	4.7±20%	348MAX	Isat=1.8A max G81n=Lower than L by30%						
Unit	uH	mΩ	uH						
Test condition	100kHz / 1V	at20℃	100kHz / 1V						
1	4.76	273.0	4.19						
2	4.88	274.0	4.29						
3	4.87	277.0	4.29						
4	4.85	273.0	4.27						
5	5.00	280.0	4.40						
6	4.71	272.0	4.14						
7	4.63	272.0	4.07						
8	4.61	271.0	4.06						
9	4.54	280.0	4.00						
10	4.61	272.0	4.06						
$\bar{X}$	4.7	274.4	4.18						
max	5.00	280.0	4.40						
min	4.54	271.0	4.00						
R	0.46	9.0	0.405						

TEST INSTRUMENT:

☒ HP4284AHP4285A METER LCD &DCR&Q&IDC&SRF

☒ CH502BC METER DCR.

☐ HP4192A METER LCD&Z.

☐ CH9052BC METER HI-POT &I .R.

☐ HP4287A METER LCD&Z&SRF&Q.

☒ VR126G/7220 METER IDC

☐ HP4284A&HP42841A METER LCD &DCR&IDC&SRF.

☐ CH1061 METER LCD.

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Meas. Item	Mechanical dimensions										
	A(m/m)	B(m/m)	C(m/m)	D(m/m)	E(m/m)						
Spec.	2.5	2.15	1.2								
Tolerance	±	±	±								
	0.2	0.2	0.2								
1	2.55	2.04	1.12								
2	2.56	2.18	1.14								
3	2.58	2.29	1.15								
4	2.57	2.34	1.18								
5	2.58	2.24	1.22								
6											
7											
8											
9											
10											
$\bar{X}$	2.57	2.22	1.16								
max	2.58	2.34	1.22								
min	2.55	2.04	1.12								
R	0.03	0.30	0.10								
REMARK:											

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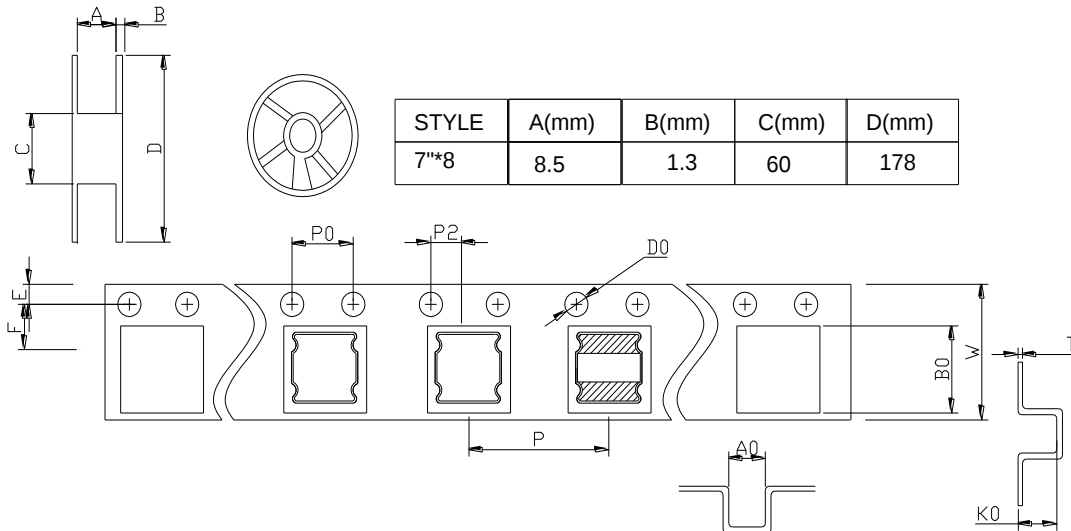
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PACKAGE:

9. Packaging Information

9-1Reel Dimension Tape Dimension

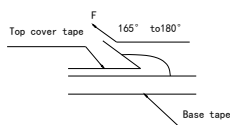


STYLE	W	E	F	P	P0	P2	D0
8mm	8.0±0.3	1.75±0.1	3.5±0.05	4.0±0.1	4.0±0.1	2.0±0.05	1.5±0.1
	T	A0	B0	K0			
	0.26±0.05	3.3±0.1	3.3±0.1	1.9±0.1			

9-2Packaging Quantity

SERIES	1 REEL			MIDDLE CARTON		MIDDLE CARTON		
	Q TY(PCS)	E TY(PCS)	A TY(PCS)	REEL	Q TY(PCS)	SIZE(mm)	REEL	Q TY(PCS)
NR252012C	2000	30	40	8	16000	185*95*190	40	80000

9-3Tearing off Force



The force for tering 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.

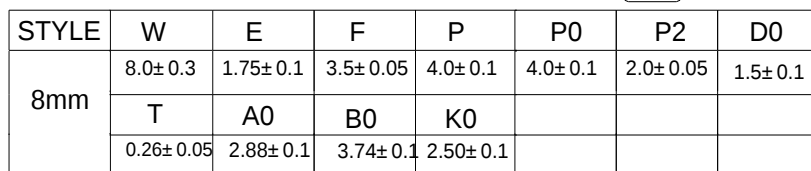
Transportation

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.

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9-1ReeI Dimension Tape Dimension



SERIES	1 REEL	INNER CARTON			MIDDLE CARTON			MIDDLE CARTON		
	Q TY(PCS)	REEL	Q TY(PCS)	SIZE(mm)	REEL	Q TY(PCS)	SIZE(mm)	REEL	Q TY(PCS)	SIZE(mm)
SFE3010	2000	5	10000	185*95*190				30	60000	400*200*400

Top cover tape

Base tape

F

165° to 180°

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