

承 認 書

SPECIFICATION FOR APPROVAL

<i>CUSTOMER:</i>	
<i>CUSTOMER P/N</i>	
<i>PART NO:</i>	
<i>DESCRIPTION:</i>	<i>SMD POWER INDUCTORS</i>
<i>PRODUCTS NO:</i>	BCRH2D18/HP-2R2N
<i>PRODUCTS REV:</i>	01
<i>DATE:</i>	2018-6-11

<i>PURCHASER CONFIRMED.</i>		
<i>APPROVAL BY</i>	<i>CHECK BY</i>	<i>DRAWN BY</i>
<i>REMARK</i>		

<i>PROVIDER ENGINEER DEPT.</i>		
<i>APPROVAL BY</i>	<i>CHECK BY</i>	
		chenlinli

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CHINA FACTORY

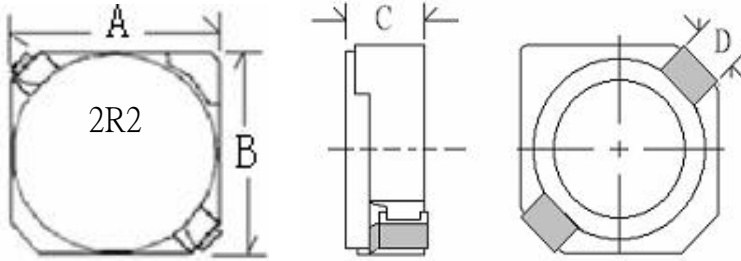
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TEST DATA DIMENSION&ELECTRIC CHARACTER

CUSTOMER:		PART NO.:	
DESCRIPTION:	SMD INDUCTOR	SERIES NO:	BCRH2D18/HP-2R2N

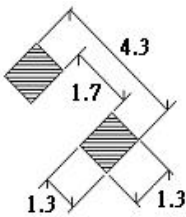
1.MECHANICAL DIMENSION



UNIT:mm

A	3.2MAX
B	3.2MAX
C	2.0MAX
D	1.0REF
E	
F	
G	
H	
I	

2.RECOMMEND LAND PATTERN DIMENSIONS



3.SPECIFICATIONS

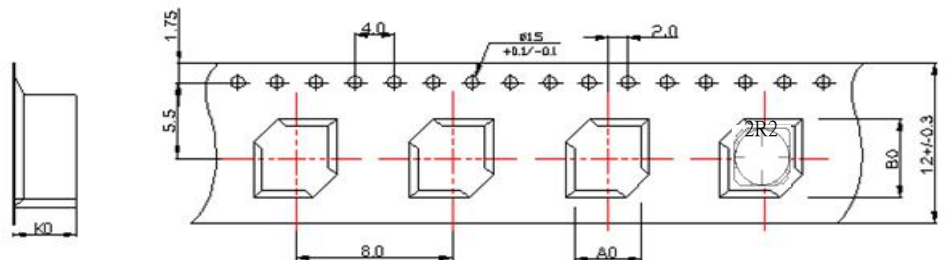
Part Number	L(0A) Inductance 2.2uH±30% @100KHZ 0.25V	R _{dc} (mOHM)		Heat Rating Current DC Amps.Idc(A) Typical	Saturation Current DC Amps.Idc(A) Typical
		Typical	Max		
BCRH2D18/HP-2R2N	2.20	50.90	60.0	1.60	1.60

- (1). All test data is referenced to 25°C ambient.
- (2). Operating Temperature Rangr-30°C to +100°C.
- (3). DC current(1.6A)that will cause an approximateΔT of 40°C.
- (4). DC current(1.6A)that will cause Lo to drop approximately 35%.
- (5). The part temperature(ambient+temp rise)should not exceed 100°C under worst case operating conditions.Circuit design,component placement,PWB trace size and thickness,airflow and other cooling provisions all affect the part temperature part temperature should be verified in the end application.

4.PACKAGING INFORMATION

parts are packaged on 7"reels
1000 per reel,7000within each box,14000 per carton

A0= 3.25mm
B0=3.25mm
K0=2.3mm



APPROVED BY: Zhu jinbai CHECKED BY: Carl Zhao DRAWN BY:Peter Zhu ZYX.W

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TEST DATA FOR PREPRODUCTION SAMPLE

CUSTOMER:			CUSTOMER P/N:				CUSTOMER REV:			TEST DATE:2018-6-11	
PART NAME: SMD INDUCTOR			BC PART NO:BCRH2D18/HP-2R2N				BC REV:			QUANTITY:5PCS	
TEST ITEM	A	B	C	D	E	F	G	H	I	J	K
SPEC.	3.20	3.20	2.00								
	MAX	MAX	MAX								
01	3.00	3.03	1.87								
02	3.02	2.98	1.89								
03	3.04	3.01	1.90								
04	3.06	3.02	1.89								
05	3.04	3.02	1.91								
06											
07											
08											
09											
10											
11											
12											
13											
14											
15											
\bar{X}	3.03	3.01	1.89								
σ	0.020	0.017	0.013								
Cpk	2.75	3.64	2.71								
APPROVED BY				CHECKED BY				PREPARED BY			
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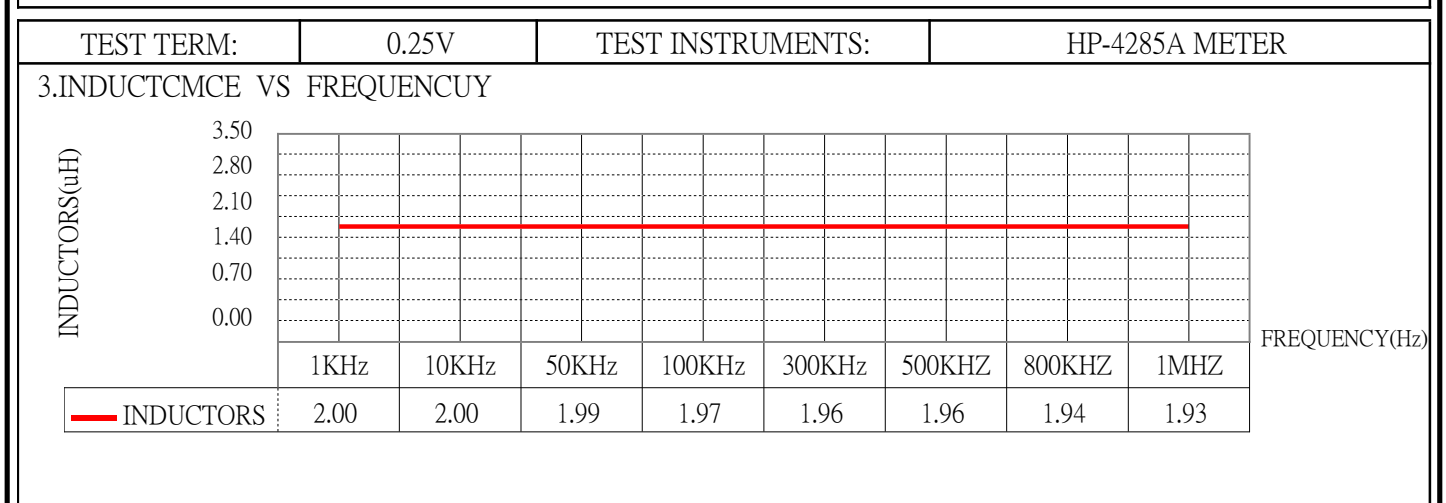
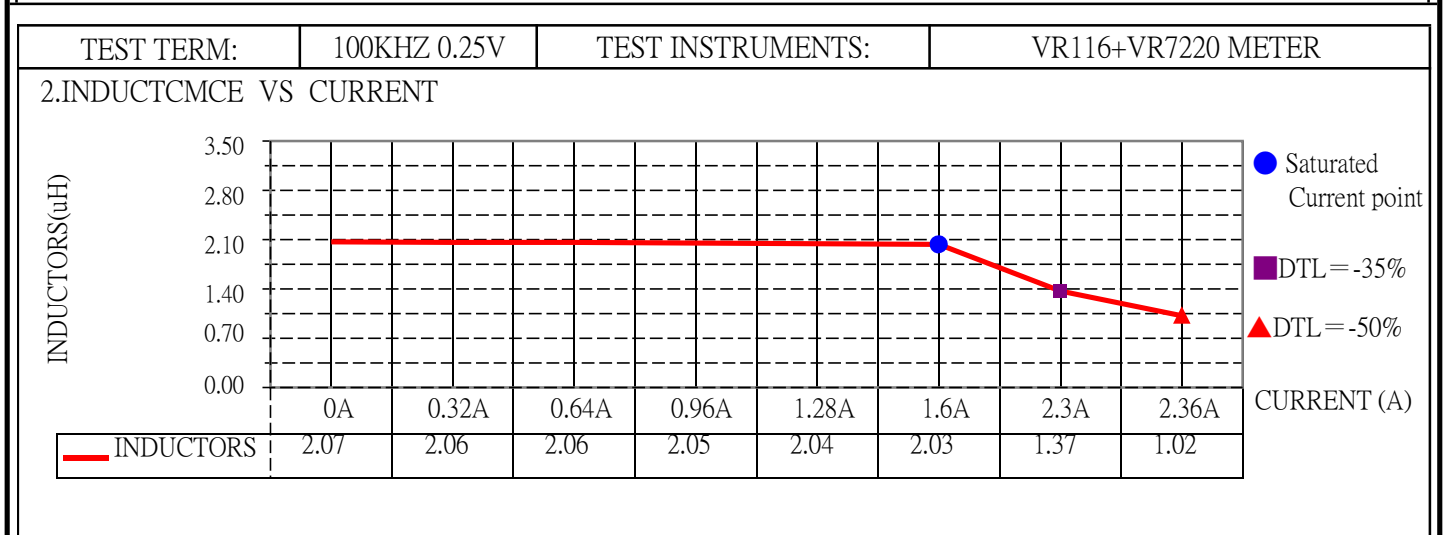
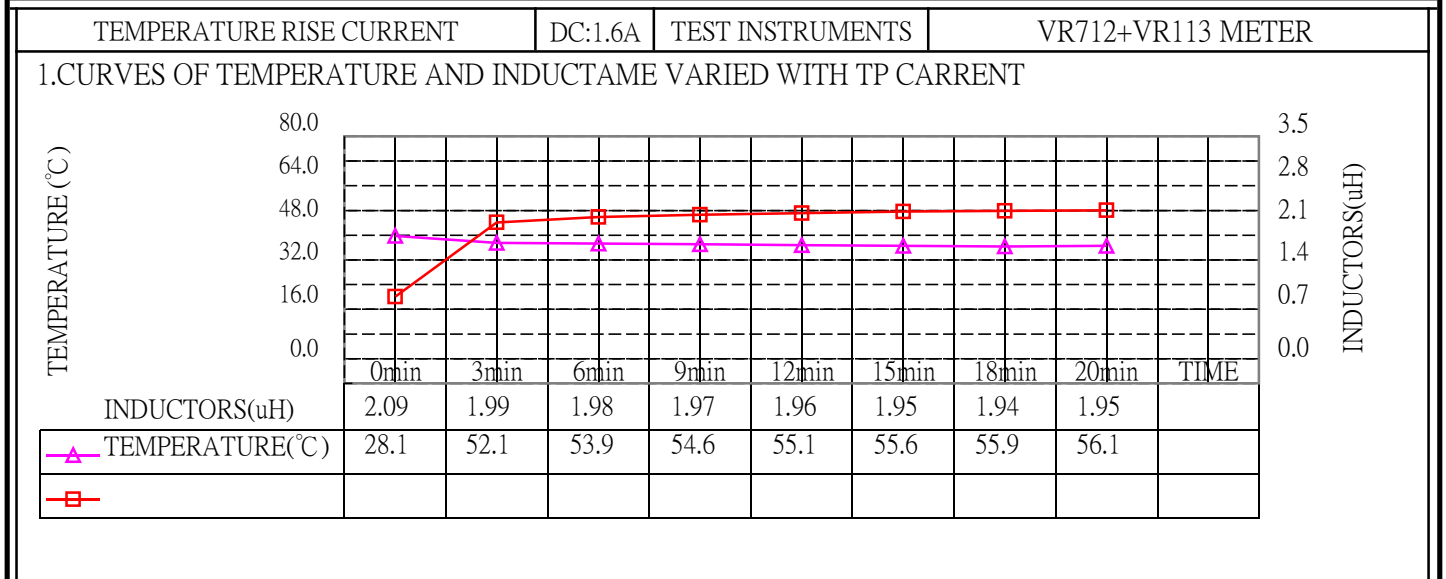
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TEST DATA FOR PREPRODUCTION SAMPLE

CUSTOMER:		CUSTOMER P/N:		CUSTOMER REV:	TEST DATE:2018-6-11	
PART NAME: SMD INDUCTOR		BC PART NO:BCRH2D18/HP-2R2N		BC REV:	QUANTITY:5PCS	
TEST ITEM	L(0A)	L(1.6A)/L(0A)-100%	DCR(S-F)			
TEST CONDITION	100KHZ 0.25V					
SPEC.	2.2uH ±30%	≥65% AT DC 1.6A	60mΩ MAX			
01	1.93	98%	50.2			
02	1.97	98%	50.9			
03	2.00	98%	52.2			
04	1.99	99%	51.1			
05	2.03	98%	50.1			
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
\bar{X}	1.98		50.90			
σ	0.033		0.756			
Cpk	4.45		4.01			
1. TEST INSTRUMENTS: <input type="checkbox"/> HP-4285A METER <input type="checkbox"/> WK3260B METER <input type="checkbox"/> HP-4191A METER <input type="checkbox"/> CH-3200 METER <input type="checkbox"/> CH-310 METER <input type="checkbox"/> CH-3305 METER <input checked="" type="checkbox"/> CD1068+CD1320 METER <input checked="" type="checkbox"/> WK3260B+WK3265B METER <input type="checkbox"/> VR562 METER <input checked="" type="checkbox"/> CH-502B DCR METER				APPROVED BY	CHECKED BY	PREPARED BY
2.CONDITION TEMPERATURE: 25°C HUMIDITY: 65%RH						chenlinli

ELECTRONICS CHARACTER TEST CHART

CUSTOMER:		CUSTOMER P/N:	TEST DATE:2018-6-11
PART NAME:	SMD INDUCTOR	BC PN:BCRH2D18/HP-2R2N	SAMPLE CO:



1.TEST CONDITION
 TEMPERATURE: 25°C
 HUMIDITY: ≤ 65% RH

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