承認書

SPECIFICATION FOR APPROVA

CUSTOMER:		
CUSTOMER P/N:		
CUSTOMER PART NO:		
DESCRIPTION:	SMD INDUCTOR	
PRODUCTS NO:	BCIH11750HC-R33M	
FIRST DATE:	2019-10-22	BC REV: X1
DATE:	2019-10-22	

	PURCHASER CON	FIRMED
APPROVAL BY	CHECK BY	DRA WN BY

REMARK

PROVIDER ENGINEER DEPT.				
APPROVAL BY	APPROVAL BY CHECK BY DRAWN BY			
Ouyang weijun	Xuqiuyue	chenlinli		

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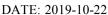
CHENG昆山誠陽電子有限公司

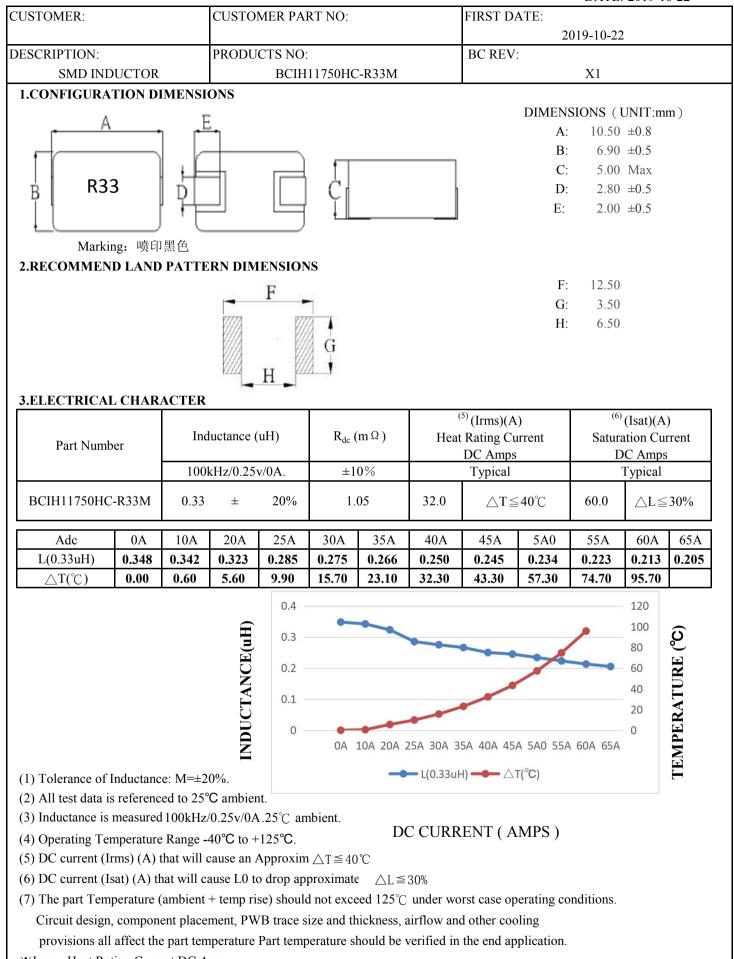
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SPECIFICATION FOR APPROVAL

ROHS Compliant





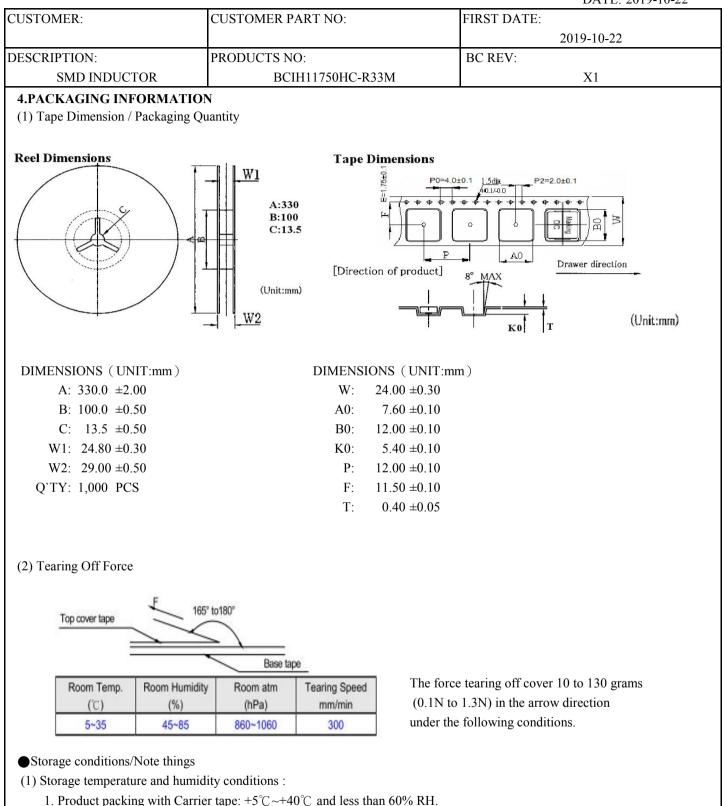
*Irms : Heat Rating Current DC Amps.

*Isat : Saturation Current DC Amps.

ROHS Compliant

SPECIFICATION FOR APPROVAL

DATE: 2019-10-22



- 1. Product packing with Carrier tape: $+5 \ (\sim +40 \)$ and less than 60
- 2. Product alone: $-20^{\circ}C \sim +60^{\circ}C$ and less than 60% RH.
- (2) Products should be used within 6 months.
- (3) The packaging material should be kept where no chlorine or sulfur exists in the air.
- (4) Do not touch the electrodes (soldering terminals) with fingers as this may lead to deterioration of solder ability
- (5) The use of tweezers or vacuum pick-ups is strongly recommended for individual components.
- (6) Bulk handling should ensure that abrasion and mechanical shock are minimized.

ROHS Compliant

SAMPLE ACKNOWLEDGE CHANGE RESUME

DATE: 2019-10-22

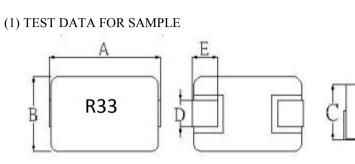
USTOMER:		CUSTOMER PAF	RT NO:	FIRST DATE: 2019-1	FIRST DATE: 2019-10-22		
ESCRIPT SN	ION: ⁄ID INDUC	TOR	PRODUCTS NO: BCIH11750HC-R33M		BC REV: X1		
REV		Char	ge content	Change reaso	n Modify	Date	
X1	00		首次	首次送样	chenlinli	2019-10-22	

ROHS Compliant

TEST DATA

DATE: 2019-10-22

CUSTOMER:	CUSTOMER PART NO:	FIRST DATE:
		2019-10-22
DESCRIPTION:	PRODUCTS NO:	BC REV:
SMD INDUCTOR	BCIH11750HC-R33M	X1



LOT NO.				
DIMENSIONS (UNIT:mm)				
Α	10.50	±0.8		
В	6.90	±0.5		
С	5.00	Max		
D	2.80	±0.5		
Е	2.00	±0.5		

	TEST ITEM	SPEC	TEST CONDITION
1	Inductance (uH)	$0.33 \pm 20\%$	100kHz/0.25v/0A.
2	Rdc (m Ω)	$1.05 \pm 10\%$	
3	(6) (Isat)(A)Saturation Current DC Amps	$60.00 riangle L \leq 30\%$	
4	(5) (Irms)(A)Heat Rating Current DC Amps	32.00 △T≦40°C	

MEAS ITEM	Α	В	С	D	Е	1	2	3
SUGGEST	10.50	6.90	5.00	2.80	2.00	0.33	1.05	60.00
SUGGEST	±0.8	±0.5	Max	±0.5	±0.5	± 20%	±5%	$\triangle L \leq 30\%$
1	10.95	7.26	4.85	2.75	2.0	0.289	1.32	73%
2	10.96	7.28	4.83	2.75	2.0	0.356	1.29	73%
3	10.94	7.25	4.82	2.75	2.0	0.298	1.31	75%
4	10.98	7.26	4.86	2.75	2.0	0.324	1.29	74%
5	10.97	7.28	4.85	2.75	2.0	0.320	1.33	75%
6	10.98	7.25	4.87	2.75	2.0	0.348	1.32	72%
7	10.96	7.27	4.86	2.75	2.0	0.291	1.28	74%
8	10.97	7.26	4.85	2.75	2.0	0.328	1.33	73%
9	10.98	7.25	4.87	2.75	2.0	0.342	1.30	72%
10	10.97	7.26	4.86	2.75	2.0	0.351	1.29	74%
11								
12								
13								
14								
15								
max	10.98	7.28	4.87			0.36	1.33	75.0%
min	10.94	7.25	4.82			0.29	1.28	72.0%
σ	0.013	0.011	0.015			0.024	0.017	0.010
Х	10.97	7.26	4.85			0.32	1.31	73.5%
Cpk	12.13	11.20	3.21			1.00	4.89	1927.89

2.TEST CONDITION	APPROVED BY
TEMP. 25°C R.H. 65%	
3.TEST INSTRUMENTS	Ouyang weijun
HP-4284A METER CH-3305 METER	
■HP-4285A METER □CD1068+CD1320 METER	CHECKED BY
□ HP-4191A METER □ VR113+VR712 METER □ CH101 LCR,METER □ WK3260B+WK3265B METER	Xuqiuyue
■ VR116+VR7220 METI_VR562 METER	DRAWN BY
□CH-3200 METER □CH-502B DCR METER □CH-310 METER	chenlinli

GENERAL CHARA	CTERISTICS page. 1			
Operation Temperature	-40°C to +125°C (Includes temperature when the coil is heated)			
External Appearance	On visual inspection, the coil has no external defects.			
	More than 90% of terminal electrode should be covered with solder.			
Solder Ability Test	l After fluxing, component shall be dipped in a dipped in a melted. Solder:bath at $235^{\circ}C \pm 5^{\circ}C$ for 5 ± 0.5 second 150 $^{\circ}C$ second 5 ± 0.5 second			
Heat endurance of Solderin	 1.Components should have not evidence of electrical and mechanical damage. 2.Inductance: within±10% of initial value. 3.Impedance: within±10% of initial value. Preheat:150±5°C 60seconds. Solder temperature: 250±5°C. Flux: rosin. Dip time:10±0.5seconds. 			
Terminal Strength	After soldering of X,Y withstanding at below conditions .The terminal should not Peel off. (Refer to figure at below) 5N:6 y			
Insulating Resistance	Over 100M Ω at 100V D.C. between coil and core.			
Dielectric Strength	No dielectric breakdown at 30V D.C. for 1 minute between coil and core.			
VibrationTest	Inductance deviation within +10% after vibration for 1 hour. In each of three orientations at sweep vibration(10-~55-~10HZ)with 1.5mmP-P amplitudes			
Drop test	Inductance deviation within +10% after being dropped once with 981m/s2 (100G) shock Attitude upon a rubber block method shock testing machine, in three different orientations			
 (2) Products should be used (3) The packaging material 2. Handling (1) Do not touch the electro (2) The use of tweezers or value 	ty of terminal electrodes: ity conditions: less than 40°C and 70% RH.			

GENERAL CHARACTE	ERISTICS	page. 2
TEST	Required Characteristics	Test Method/Condition
High Temperature StorageTest Reference documents: MIL-STD-202G Method108A	 No case deformation or change in appearance △L/L≦10% △Q/Q≦30% △DCR/DCR≦10% 	Temp 125°C High temperature 25°C 0°C High temperature 96H Test Time Temperature: 125°C $\pm 2^{\circ}$ C Time: 96 ± 2 hours. Tested not less than 1 hour, nor more than 2 hours at room.
Low Temperature Storage Test Reference documents: IEC 68-2-1A 6.1 6.2	 No case deformation or change in appearance △L/L≦10% △Q/Q≦30% △DCR/DCR≦10% 	25°C 96H Test 0°C High temperature 40°C T Tested not less than 1 hour, nor more than 2 hours at room.
Humidity Test Reference documents: MIL-STD-202G Method103B	 No case deformation or change in appearance △L/L≦10% △Q/Q≦30% △DCR/DCR≦10% 	 40℃ 93%RH High temperature High humidity 25℃ 0℃ 1. Dry oven at a temperature of 40°C±2°C for 96hours 2. Measurements At the end of this period 3. Exposure: Temperature: 40°C±2°C. Humidity:93±2hoyrs. 4. Tested while the chamber. 5. Tested not less than 1 hour. Nor more than 2 hours at room temperature.
Thermal Shock Test Reference documents: MIL-STD-202G Method107G	 No case deformation or change in appearance △L/L≦10% △Q/Q≦30% △DCR/DCR≦10% 	First-40°C for 30 Minutes, last 125°C for 30 Minutes as 1 cycle. Go through 20 cycles.

■Application Notice/Handling

- (1) Temperature and humidity conditions : less than 40° C and 70% RH.
- (2) Products should be used within 6 months.
- (3) The packaging material should be kept where no chlorine or sulfur exists in the air.
- (4) Do not touch the electrodes (soldering terminals) with fingers as this may lead to deterioration of solder ability
- (5) The use of tweezers or vacuum pick-ups is strongly recommended for individual components.
- (6) Bulk handling should ensure that abrasion and mechanical shock are minimized.

