承認書

SPECIFICATION FOR APPROVA

CUSTOMER:		
CUSTOMER P/N:		
CUSTOMER PART NO:		
DESCRIPTION:	SMD INDUCTOR	
PRODUCTS NO:	BCIH11750HC-R15M	
FIRST DATE:	2019-10-22	BC REV: X1
DATE:	2019-10-22	

PURCHASER CONFIRMED					
CHECK BY	DRAWN BY				

REMARK

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

CHENG)誠陽實業有限公司

TAIPEI OFF ICE TAIWAN CHENG YANG COMPONENT CORP

2F-1, NO. 176, Chine-Yi Road., Zhonghe District, New Taipei City, TAIWAN(R.O.C) 新北市中和區建一路176號2樓之一 POSTAL CODE: 23500

TEL NO.:+886-2- 8228-0930 FAX NO.:+886-2-8228-0929 E-mail:h21803@ms29.hinet.net



寶誠電子有限公司

'HINA FACTOR'ZHUHAI BAO CHENG ELECTRONICSCO.,LTD

Guan Tang Industrial Park, Tang Jia Wan Town, Zhuhai City, Guangdong Province, CHINA 中國廣東省珠海市塘家灣鎭官塘工業區 POSTAL CODE: 519085

TEL NO:86-756-3383187 FAX NO:86-756-3380704 E-mail: baocheng@baocheng.biz

CHENG 昆山誠陽電子有限公司

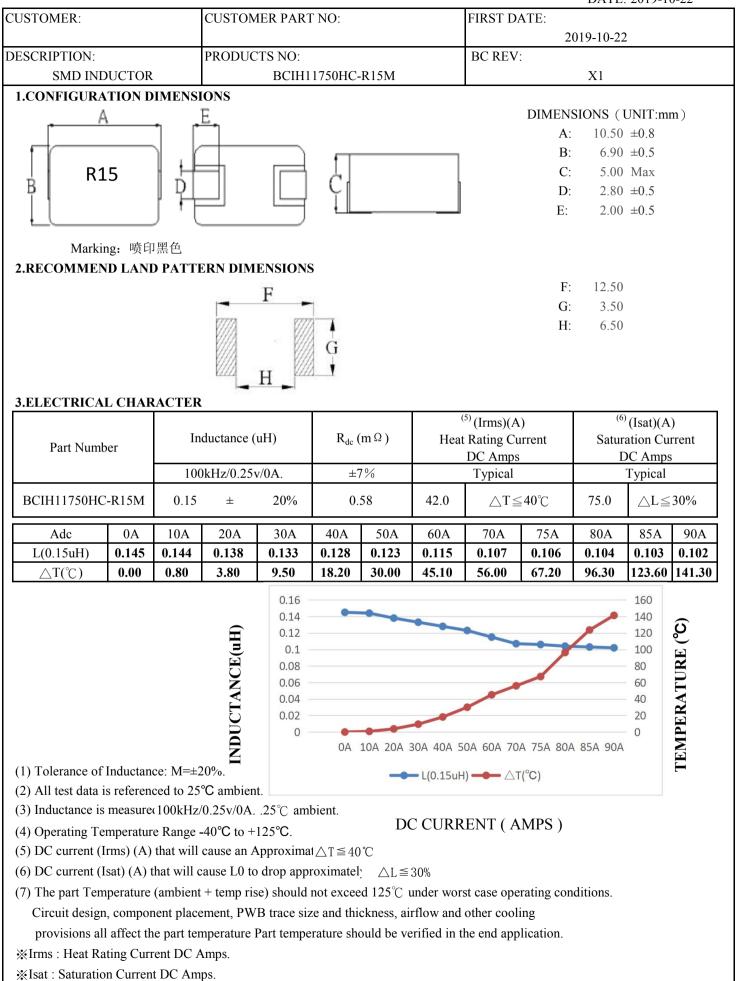
'HINA FACTOR'KUNSHAN CHENG YANG ELECTRONICSCO.,LTDP

江蘇省昆山市高科技工業園區強安路35號 POSTAL CODE: 215300 TEL NO:86-512-57823500 FAX NO:86-512-57823503 E-mail: kscy@taiwan-chengyang.com.tw

SPECIFICATION FOR APPROVAL

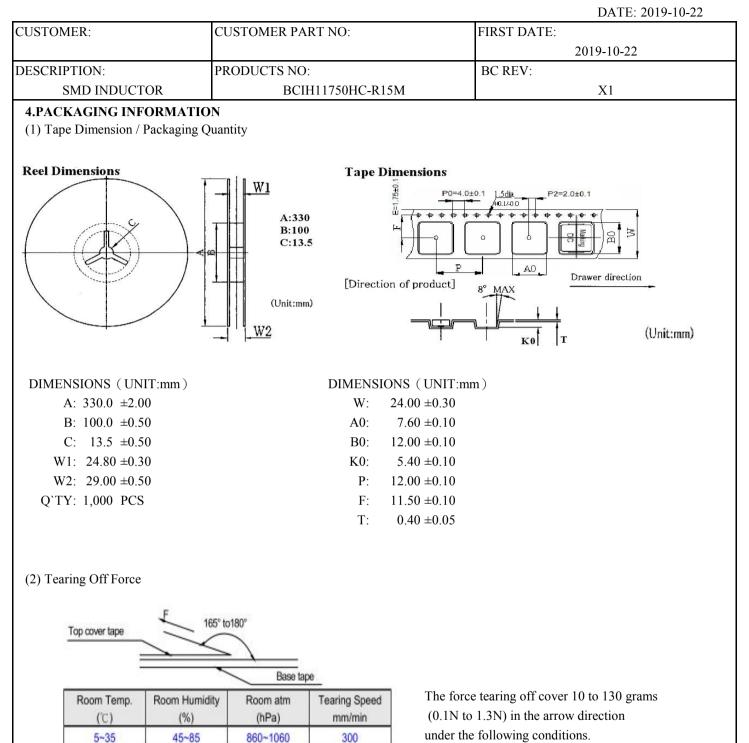
ROHS Compliant

DATE: 2019-10-22



ROHS Compliant

SPECIFICATION FOR APPROVAL



• Storage conditions/Note things

(1) Storage temperature and humidity conditions :

- 1. Product packing with Carrier tape: $+5^{\circ}C \sim +40^{\circ}C$ and less than 60% RH.
- 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

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SAMPLE ACKNOWLEDGE CHANGE RESUME

DATE: 2019-10-22

ION:			2019-10) 22
ION.	PRODUCTS NO:		BC REV:	
		1750HC-R15M	X1	
	Change content	Change reason	Modify	Date
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TEST DATA

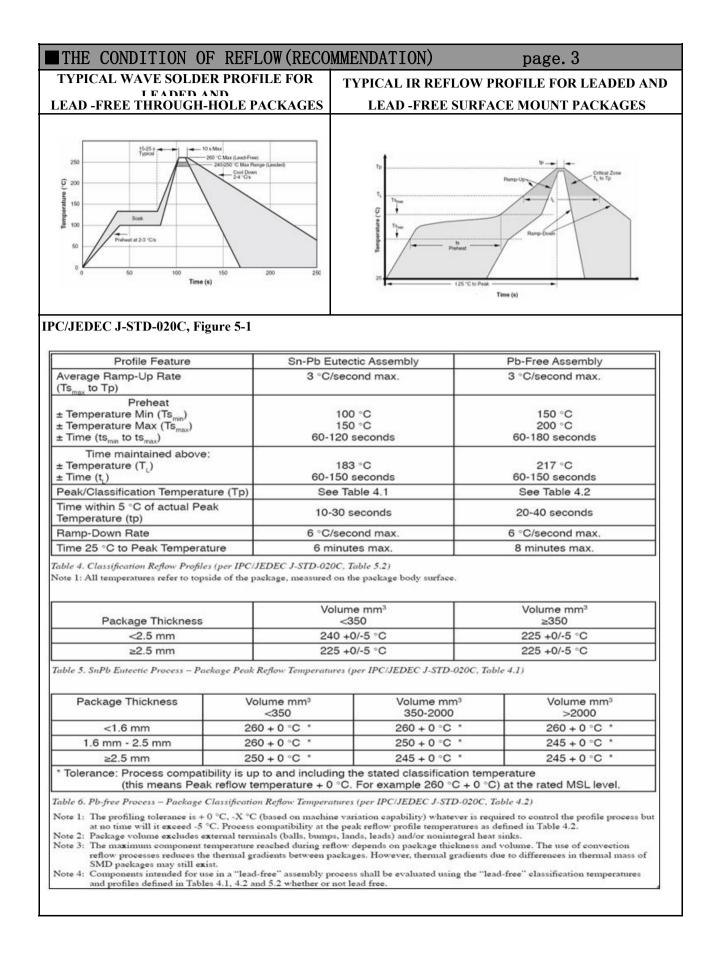
									DATE: 2	2019-10-22
CUSTOMER:			CUSTOM	ER PART	NO:]	FIRST DATE:	019-10-22	
DESCRIPTION:			PRODUC	TS NO [.]				BC REV:	019-10-22	
SMD INDUCTOR BCIH11750HC-R15M					X1					
	ooron			Denni	1,00110					
		MDLE							2	
(1) TEST DATA	FUR SA	MPLE						LOT NO). SIONS (UI	
	A		Ē					A	10.50	,
			•					B	6.90	
								C	5.00	
R	15	HH			4 11			D	2.80	
B	10	D			ļŲ		1	E	2.00	
		T F			7 LL				2.00	0.0
•		2								
		Г ІТЕМ				SPEC			CONDITIC	
	ance (uH))			0.15	± 20		100kH	Hz/0.25v/0A	λ.
2 Rdc (m	/				0.58	± 7%				
			urrent DC		75.00	$\triangle L \leq 30\%$	0			
4 (5) (Irr	ns)(A)He	at Rating	Current D	OC Amps	42.00	$\Delta T \leq 40^{\circ}C$				
MEAS ITEM	А	В	С	D	Е			1	2	3
	10.50	6.90	5.00	2.80	2.00			0.15	0.58	75.00
SUGGEST	±0.8	±0.5	Max	±0.5	±0.5			± 20%	±7%	$\triangle L \leq 30\%$
1	11.27	7.29	4.73	2.75	2.00			0.167	0.54	73%
2	11.26	7.28	4.78	2.75	2.00			0.167	0.55	72%
3	11.28	7.27	4.75	2.75	2.00			0.164	0.58	74%
4	11.27	7.28	4.76	2.75	2.00			0.155	0.56	72%
5	11.28	7.28	4.78	2.75	2.00			0.166	0.54	73%
6	11.27	7.24	4.76	2.75	2.00			0.172	0.55	74%
7	11.24	7.28	4.78	2.75	2.00			0.159	0.56	72%
8	11.26	7.27	4.76	2.75	2.00			0.145	0.54	73%
9	11.27	7.25	4.78	2.75	2.00			0.156	0.54	74%
10	11.28	7.26	4.79	2.75	2.00			0.157	0.55	72%
11										
<u>12</u> 13										
13										
14										
max	11.28	7.29	4.79					0.17	0.58	74.0%
min	11.20	7.24	4.73					0.15	0.50	72.0%
σ	0.012	0.015	0.017					0.008	0.012	0.008
X	11.27	7.27	4.77					0.16	0.55	72.9%
Cpk	21.95	8.32	4.48					0.85	0.79	2980.39
2.TEST CONDI	ΓΙΟΝ									OVED BY
	. 25℃	R.H.	65%						ArrK	
3.TEST INSTRU	MENTS			ED					Ouya	ng weijun
□HP-4284A MI ■HP-4285A MI			805 MET 68+CD132		ER				CHEO	CKED BY
HP-4191AM			3+VR712		TED				Xu	qiuyue
□ CH101 LCR,METER □WK3260B+WK3265B METER VR116+VR7220 MET□VR562 METER							WN BY			
	220 MET									
	ETER		2 METER 2B DCR I							enlinli

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 C second 5\pm 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						
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 ways 	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

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- (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.



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