

승 인	
정식승인	()
한도승인	()

SPECIFICATIONS

CUSTOMER	
ITEM	SMD INDUCTOR
MODEL NAME	NS-7346-10mH(103K)
PART No	NS7346-103M
DATE	2019-06-10

검 토	심 사	승 인
승인유효기간	승인일로부터	년

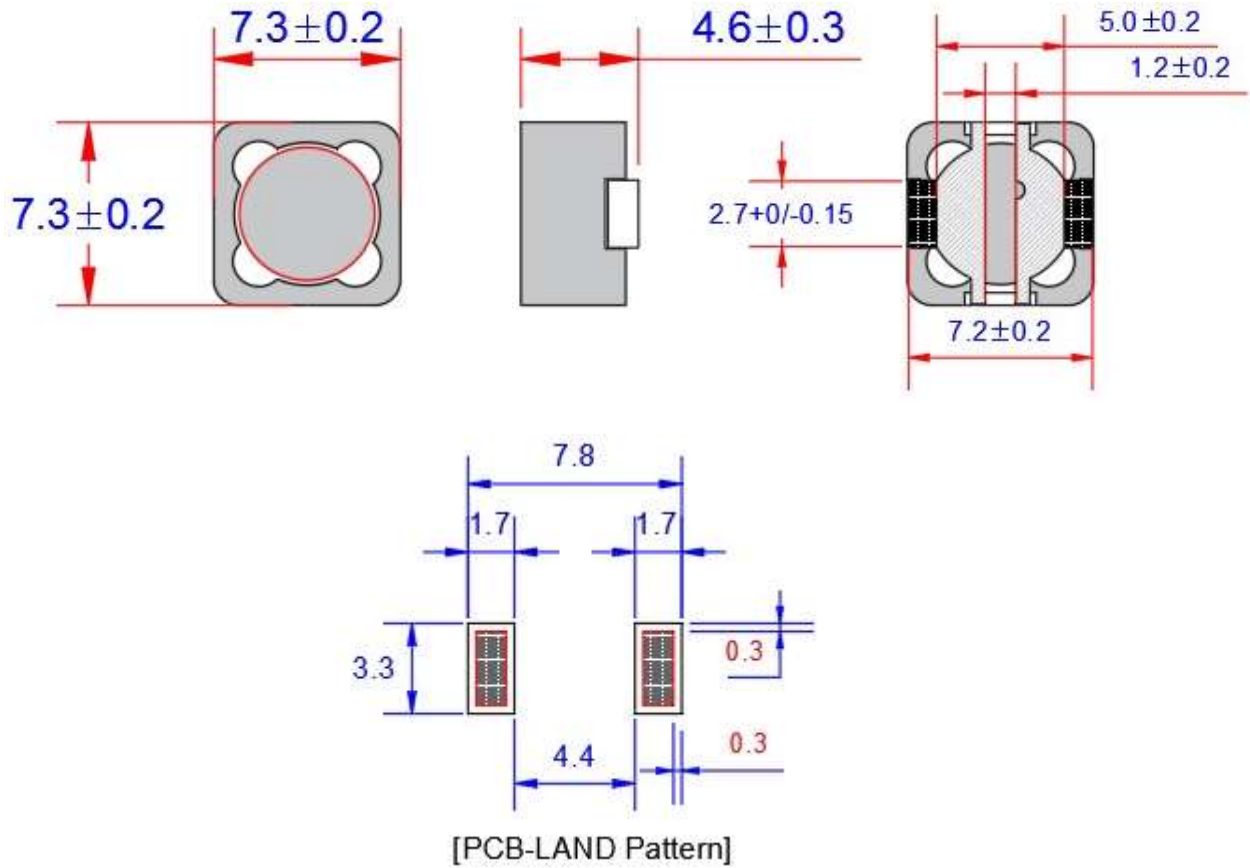
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		FAX	02-2689-8628
주 소	Na-350b, CHUNG ANG CIRCULATION COMPLEX 15 GYUNGINRO 53-GIL GURO-GU, SEOUL 08217, KOREA		
Home page : http://www.nsn.co.kr / E-mail : sun@nsn.co.kr			

개정이력 LIST

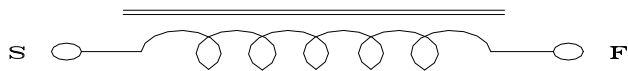
REV NO.	개정일자	개정 항목	개정내용	관련근거
0	2019-06-10	NEW	초도 발행	
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改訂 REV.	設計變更 ENG.CHANGE	日付 DATE	作成 DRAWN	檢認 APPD.
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1. DIMENSION (UNIT : mm)



2. CONNECTION



QUALITY & DEVELOPMENT TEAM				尺圖	SCALE	SMD INDUCTOR for POWER LINE	
擔當 DRAWN	設計 DESIGNED	檢認 CHECKED	承認 APPROVED	/	NTS		
				DIM.	mm		
NS7346-103M						2 / 5	

3. ELECTRICAL PERFORMANCE

改訂
REV.

設計變更
ENG.CHANGE

日付
DATE

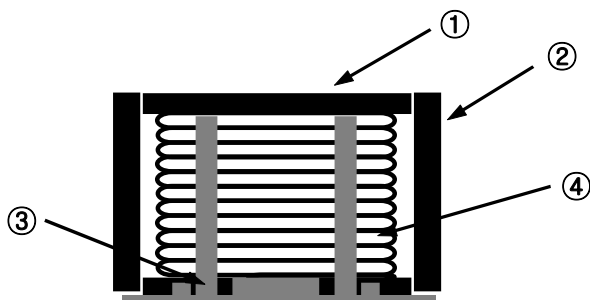
作成
DRAWN

檢認
APPD.

P/NO.	INDUCTANCE [$\mu\text{H} \pm 20\%$]	DC RESISTANCE [Ω MAX]	RATED CURRENT [A MAX]	MARKING
NS7346-103M	10000	40	0.0738	103

- * INDUCTANCE : HP-4284A LCR METER at 1KHz, 0.25V
- * DC RESISTANCE : HIOKI 3220m Ω HI TESTER.
- * RATED CURRENT : The maximum DC value having inductance decrease within 20% and Temperature increase within 40℃ by the application of DC bias.

4. INTERNAL CONSTRUCTION & MATERIAL LIST



NO.	PART NAME	MATERIAL	MAKER
1	CORE	FERRITE	TDG CO.,LTD. or equ.
2	OP CORE	FERRITE	TDG CO.,LTD. or equ.
3	BASE	STEEL BASE	FORES HI TECH or equ.
4	WIRE	2UEW	YOUNG WHA SA CO.,LTD. or equ.

QUALITY & DEVELOPMENT TEAM

尺圖 SCALE

擔當
DRAWN

設計
DESIGNED

檢認
CHECKED

承認
APPROVED

/ NTS

SMD INDUCTOR
for POWER LINE

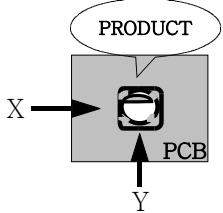
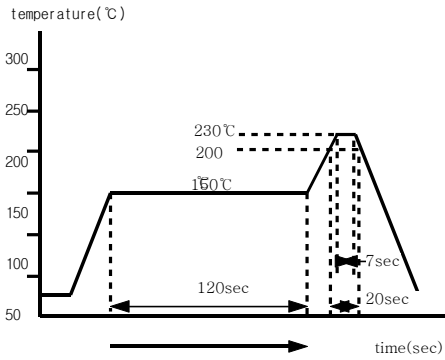
DIM. mm

NS7346-103M

2 / 5

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5. RELIABILITY DATA

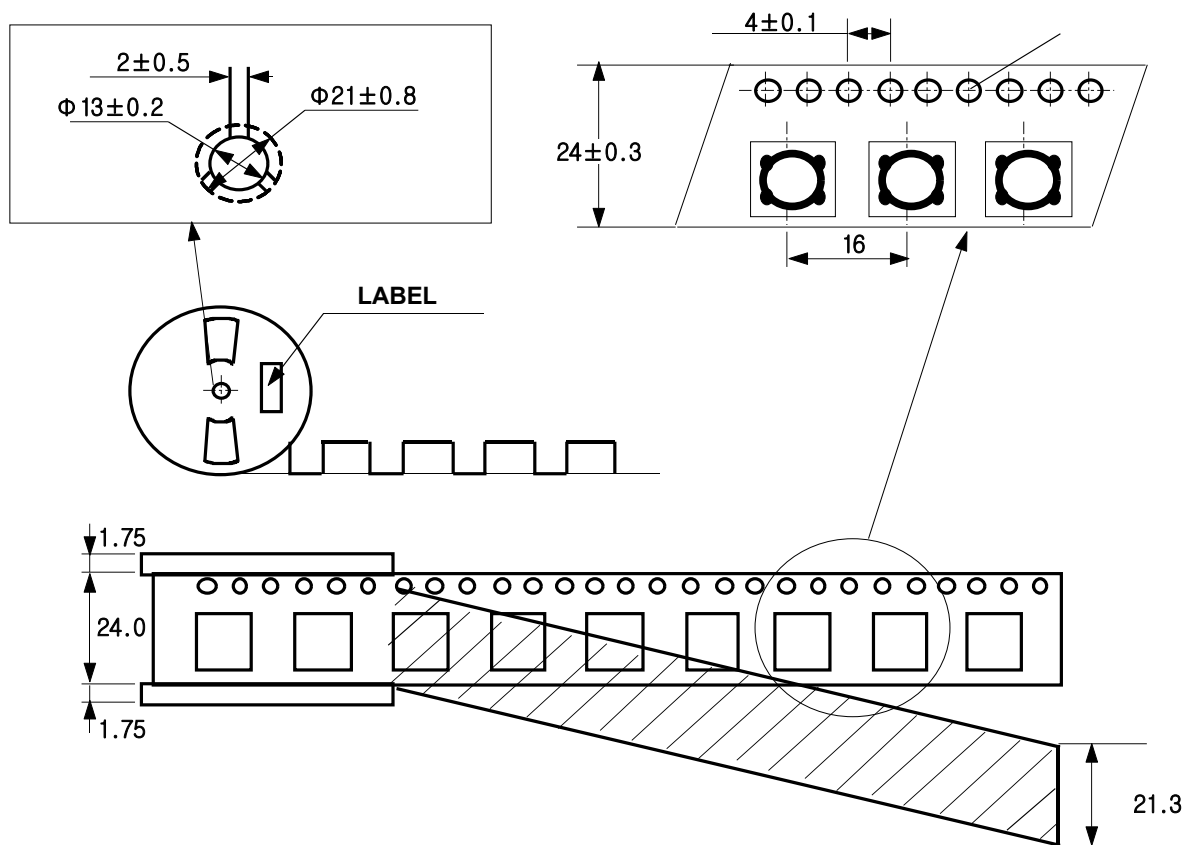
NO	ITEM	SPECIFICATION	TEST METHOD & CONDITION
1	Operating temperature range	-25 to +85℃	Including temperature rise due to self-generated heat.
2	Storage temperature range	-40 to +85℃	
3	Insulation resistance	100MΩ min.	100VDC for 1min. between coil & core.
4	High Temperature	Inductance change : within ±10%	85℃ 96 Hours.
5	Low Temperature		-25℃ 96 Hours.
6	Humidity		40±2℃ 90~95% 500 Hours.
7	Thermal shock		-25±3℃ 30 Minutes Room Temp. Within 5 Minutes 85±2℃ 30 Minutes : 5 cycle
8	Vibration	Inductance change : within ±5%	vibration for 2hours in each of three orientations at sweep vibration 10 to 55 to 10Hz with 1.5mm P-P amplitude .
9	Solderability	Wetting shall cover less than 75% of each terminal	Solder temperature : 260 ±5℃ Duration : 3 ±2sec.
10	Resistance to soldering heat	No mechanical defect and Inductance change : within ±5%	Solder temperature : 260 ±5℃ Duration : 10 ±2sec.
11	Terminal strength	0.5kg for 10 ±1 seconds. Terminal should not peel off	 After soldering between copper plate and terminals of x,y with standing at below conditions
12	Reflow condition	No mechanical defect and No Inductance defect	 Reflow condition

※ Measure after leave 2hours in standard condition(No 4~8).

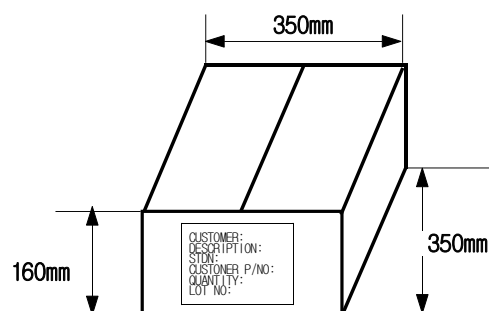
QUALITY & DEVELOPMENT TEAM				尺 圖	SCALE	SMD INDUCTOR for POWER LINE	
擔 當 DRAWN	說 計 DESIGNED	檢 認 CHECKED	承 認 APPROVED	/	NTS		
				DIM.	mm		
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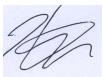
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6. PACKING SPEC.



TAPE PITCH	16mm
EMBOSE TAPE	24mm
REEL	Φ 330 ±2mm
QUANTITY	1500pcs
REEL TAPE	START : 200mm MIN
MARGIN	FINISH : 200mm MIN
COVER TAPE	21.3mm



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