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# APPROVAL SHEET

CUSTOMER : \_\_\_\_\_

ITEM : SMD Metal Molding Inductor

PART NAME : NSPC1250-101M(100uH)

SPEC : NSPC1250-101K

APPROVED	REFEERENCE

( Date : 2025-12-23 )

TESTED	CHECKED BY	APPROVED BY



**NAMSUN ELECTRONICS CO.,LTD**



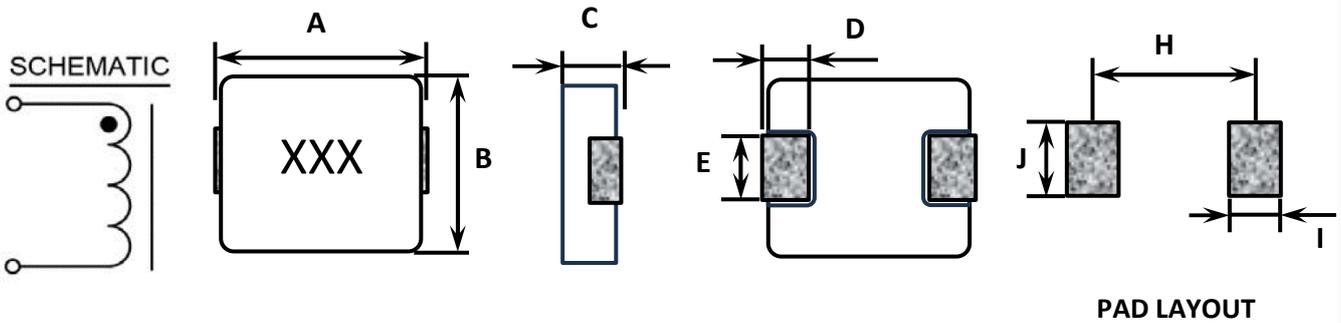
Na-3506, CHUNG ANG CIRCULATION COMPLEX 15  
 GYUNGINRO 53-GIL GURO-GU SEOUL 08217 ,KOREA  
 TEL: 02-2689-9418/02-6679-9418 , FAX: 02-2689-8628  
 Homepage : [www.nsn.co.kr](http://www.nsn.co.kr) / E-mail : [sun@nsn.co.kr](mailto:sun@nsn.co.kr)



CUSTOMER :

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PART NAME	NSPC1250-100uH	DESCRIPTION	NSPC1250-101M

**2. DIMENSION (Unit:mm)**



A	B	C	D	E	H	I	J
13.5 ± 0.5	12.7 ± 0.5	5.0 MAX	2.5 ± 0.7	3.5 ± 0.5	10.5	4.0	5.5

**3. ELECTRICAL CHARACTERISTICS**

Test Item	Specifications	Test Conditions	Typ.	Test Instrument
L	100.0uH ± 20%	100kHz 1V	98.8uH	TH2830
L+4.5A	Drop 30% TYP	100kHz 1V	75.9uH	ZX7575B+TH1773
DCR	180.0mΩ MAX		160mΩ	TH2830
I sat	4.5A TYP			ZX7575B+TH1773
I rms	3.5A TYP			ZX7575B+TH1773
Ope.Temp.	-40 ~ 125°C			
Stor.Temp.	-20 ~ 65°C			

CUSTOMER :

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PART NAME	NSPC1250-100uH	DESCRIPTION	NSPC1250-101M

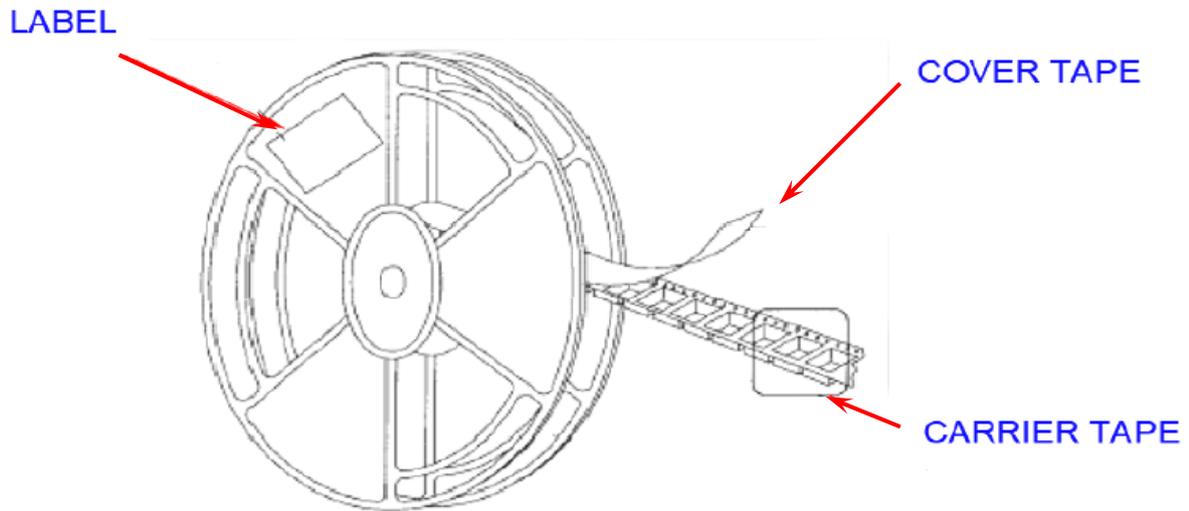
**4. RELIABILITY DATA**

No	ITEM	TEST METHOD	REQUIREMENTS
1	Lead terminal strength	A static pulling force of 5N in a direction parallel to the lead terminals for 60±5 seconds.	No terminal breakage or loosening.
2	Resistance to soldering heat test	Fix the samples on a 1.6mm thickness PCB, then dip the sample leads into a soldering bath of 270±5°C up to the PCB for 5±1 seconds.	No significant abnormality in appearance. Deviation relative to initial value: L: Within ±10%
3	Solder ability test	Immerse the terminal in flux for 5 seconds. Then dip the terminal into a soldering bath of 245±5°C for 2± 0.5 seconds.	At least 90% of terminal electrode is covered by new solder.
4	Humidity test	Temperature : 40°C±2°C Humidity : 90% ~ 95%RH Duration : 96±4 Hours	No significant abnormality in appearance. Deviation relative to initial value: L: Within ±10%
5	High temperature storage test	Temperature : 85°C±2°C Duration : 96±4 Hours	
6	Low temperature storage test	Temperature : -25°C±2°C Duration : 96±4 Hours	
7	Thermal shock test	First -25±5°C for 30±3 minutes , last 85±5°C 30±3 minutes as 1 cycles. Go through 10 cycles.	

CUSTOMER :

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PART NAME	NSPC1250-100uH	DESCRIPTION	NSPC1250-101M

**5. PACKING SPECIFICATION**



ITEM	REEL(PCS)	INEER BOX(PCS)	OUT BOX(PCS)
NSPC1250-101M	500	1,000	2,000

**INNER BOX : 340L\*340W\*70H(PUT IN 2 REEL)**

**OUT BOX : 360L\*360W\*170H(PUT IN 2 INNER BOX)**

\*OUT BOX SPECIFICATIONS

