

PAGE	
REV. NO	

APPROVAL SHEET

CUSTOMER : _____

ITEM : SMD Metal Molding Inductor

PART NAME : NSPC1707-470uH(471M)

SPEC : NSPC1707-471M

APPROVED	REFEERENCE

(Date : 2026-01-02)

TESTED	CHECKED BY	APPROVED BY



NAMSUN ELECTRONICS CO.,LTD

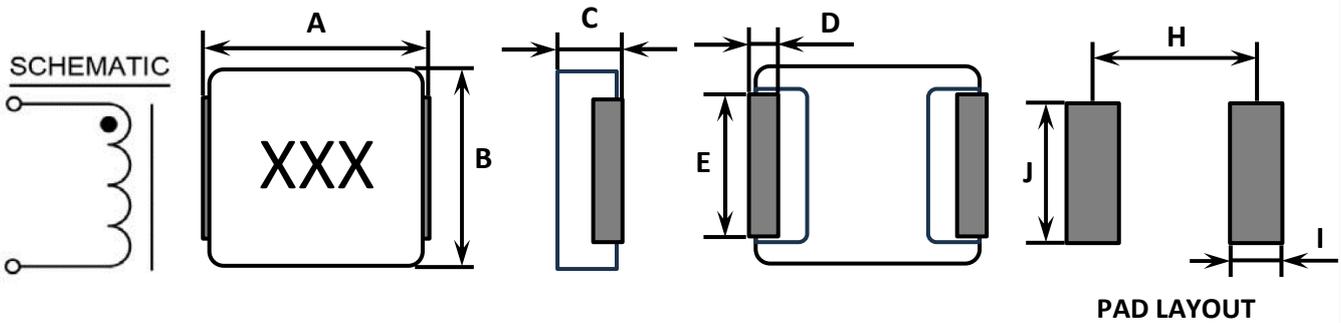


Na-3506, CHUNG ANG CIRCULATION COMPLEX 15
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 TEL: 02-2689-9418/02-6679-9418 , FAX: 02-2689-8628
 Homepage : www.nsn.co.kr / E-mail : sun@nsn.co.kr

CUSTOMER :

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PART NAME		DESCRIPTION	NSPC1707-471M

2. DIMENSION (Unit:mm)



A	B	C	D	E	H	I	J
17.5 ± 0.5	17.0 ± 0.5	6.8 ± 0.4	2.5 ± 0.5	12.0 ± 0.5	14.7	3.5	13.5

MARKING : 471

3. ELECTRICAL CHARACTERISTICS

Test Item	Specifications	Test Conditions	Typ.	Test Instrument
L	470.0uH ± 20%	100kHz 0.25V	458.8uH	TH2830
L+3.0A	Drop 30% TYP	100kHz 0.25V	325.9uH	ZX7575B+TH1773
DCR	540.0mΩ MAX		450mΩ	TH2830
I sat	3.0A TYP			ZX7575B+TH1773
I rms	2.0A TYP			ZX7575B+TH1773
Ope.Temp.	-40 ~ 125°C			
Stor.Temp.	-20 ~ 65°C			

AT 25°C±5°C / RH 65% unless otherwise specified.

CUSTOMER :

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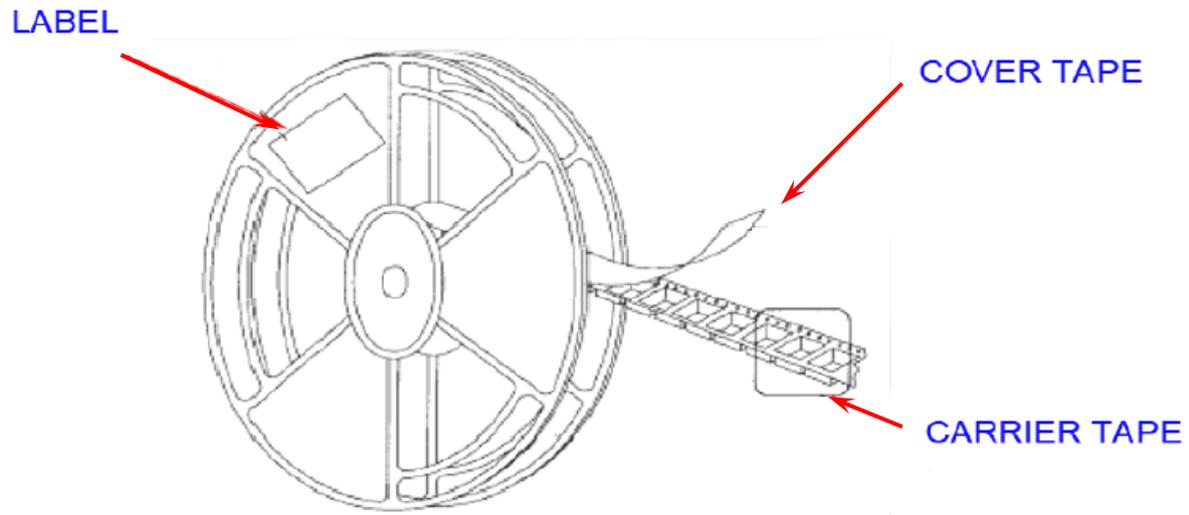
4. RELIABILITY DATA

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		DESCRIPTION	NSPC1707-471M

5. PACKING SPECIFICATION



ITEM	REEL(PCS)	INEER BOX(PCS)	OUT BOX(PCS)
BSPC1707-471M	250	500	1,000

INNER BOX : 340L*340W*70H(PUT IN 2 REEL)
OUT BOX : 360L*360W*170H(PUT IN 2 INNER BOX)

*OUT BOX SPECIFICATIONS

