



小型繞線壓模式貼片電感
Range: 1.0 μ H ~ 10000 μ H

TYPE: NL565050 Series
SMD Wirewound Chip Molded Inductor

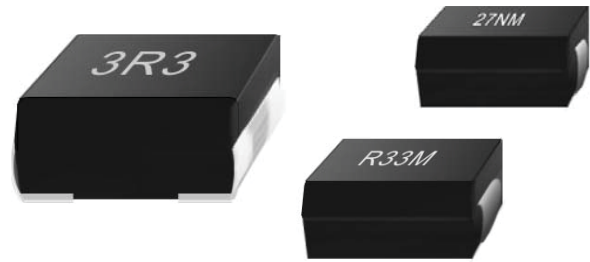
Feature (特性)

- ◆ High resistance to heat and humidity.
(高抗熱及濕度)
- ◆ Resistant to mechanical shocks and pressures.
(對於機械衝擊或壓力有良好之抵抗力)

Application (用途)

Notebook Computer, Disc Drive Unit(CD/DVD),
Inkjet Printer, Hard Disk Drive, Copying Machine,
Display Monitor, Gaming Machine, Color TV,
Video Tape Recorder, DVD Player, Video Camera,
Digital Still Camera, Car Electronics, Lowest EMI.

Figure:



(筆記型電腦、磁片驅動裝置、噴墨印表機、硬碟磁碟機、影印機、顯示監視器、遊戲機、彩色電視、錄放影機、光碟機、攝影機、數位相機、汽車電子產品、防干擾對策)

ORDERING INFORMATION

Example: NL565050-1R0K

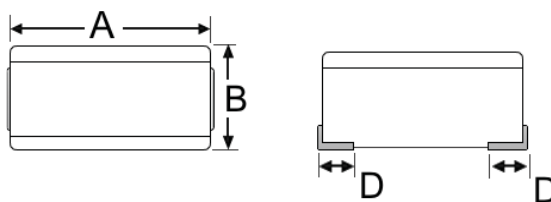
Type	Size	Inductance	Tolerance		Packing
NL252018-01	2.5x2.0x1.8	Ref.	H= \pm 3%	A= \pm 0.1nH	T=Taping
NL252018-02	2.5x2.0x1.8		J= \pm 5%	B= \pm 0.2nH	B=Bulk
NL322522	3.2x2.5x2.2		K= \pm 10%	C= \pm 0.3nH	
NL453232	4.5x3.2x3.2		M= \pm 20%		
NL565050	5.6x5.0x4.0				

DIMENSION

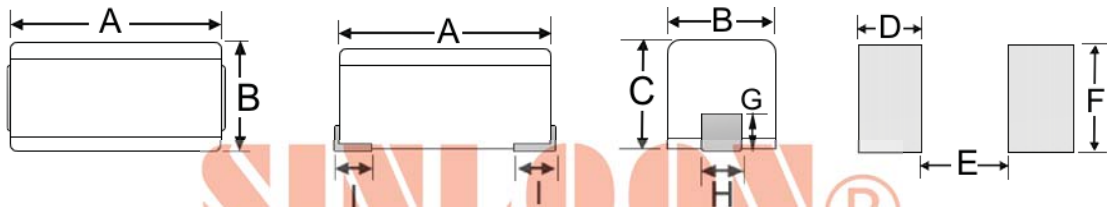
Unit: in mm

Type	A	B	C	D	E	F	G	H	I
NL252018-01	2.5 \pm 0.3	2.0 \pm 0.2	1.8 \pm 0.2	0.3(min)	1.4 \pm 0.1	1.5	1.0	1.5	---
NL252018-02	2.5 \pm 0.3	2.0 \pm 0.2	1.8 \pm 0.2	0.3(min)	1.4 \pm 0.1	1.5	1.0	1.5	---
NL322522	3.2 \pm 0.3	2.5 \pm 0.2	2.2 \pm 0.2	0.6(Ref.)	1.0(Ref.)	1.5	1.0	1.8	---
NL453232	4.5 \pm 0.3	3.2 \pm 0.2	3.2 \pm 0.2	1.0(Ref.)	1.2(Ref.)	1.6	1.5	2.2	---
NL565050	5.6 \pm 0.3	5.0 \pm 0.3	4.0 \pm 0.3	2.0	4.0	4.5	1.1	4.0 \pm 0.2	0.7 \pm 0.1

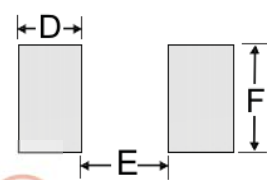
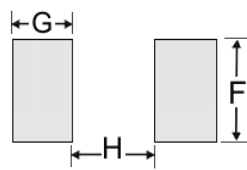
NL252018-01
NL252018-02
NL322522
NL453232



NL565050



Land Pattern



Inductance Range:

Type	Size	Inductance Range
NL252018-01	2.5x2.0x1.8	10nH ~ 100 nH
NL252018-02	2.5x2.0x1.8	1.0 μ H ~ 33 μ H
NL322522	3.2x2.5x2.2	0.1 μ H ~ 100 μ H
NL453232	4.5x3.2x3.2	0.1 μ H ~ 1000 μ H
NL565050	5.6x5.0x4.0	1.0 μ H ~ 10000 μ H



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Standard Electrical Specifications NL565050 Series Chip Inductor

Part Number NL565050 產品料號	Inductance (μH) 電感值(L)	Tolerance (%) 誤差	Q (min) 品質因數	Frequency (MHz) 測試頻率	SRF(MHz) (min) 共振頻率	DCR(Ω) (max) 直流阻抗	IDC(mA) (max) 定格電流
NL565050-1R0K	1.0	±10%	10	7.96	95.0	0.030	1800
NL565050-1R2K	1.2	±10%	10	7.96	70.0	0.035	1700
NL565050-1R5K	1.5	±10%	10	7.96	55.0	0.040	1600
NL565050-1R8K	1.8	±10%	10	7.96	47.0	0.050	1400
NL565050-2R2K	2.2	±10%	10	7.96	42.0	0.060	1300
NL565050-2R7K	2.7	±10%	10	7.96	37.0	0.070	1200
NL565050-3R3K	3.3	±10%	10	7.96	34.0	0.080	1120
NL565050-3R9K	3.9	±10%	10	7.96	32.0	0.090	1050
NL565050-4R7K	4.7	±10%	10	7.96	29.0	0.11	950
NL565050-5R6K	5.6	±10%	10	7.96	26.0	0.13	880
NL565050-6R8K	6.8	±10%	10	7.96	24.0	0.15	810
NL565050-8R2K	8.2	±10%	10	7.96	22.0	0.18	750
NL565050-100K	10	±10%	10	2.52	19.0	0.21	690
NL565050-120K	12	±10%	10	2.52	17.0	0.25	630
NL565050-150K	15	±10%	10	2.52	16.0	0.30	580
NL565050-180K	18	±10%	10	2.52	14.0	0.36	530
NL565050-220K	22	±10%	10	2.52	13.0	0.43	480
NL565050-270K	27	±10%	10	2.52	11.5	0.52	440
NL565050-330K	33	±10%	10	2.52	10.5	0.62	400
NL565050-390K	39	±10%	10	2.52	9.5	0.72	370
NL565050-470K	47	±10%	10	2.52	8.5	0.85	340
NL565050-560K	56	±10%	10	2.52	7.8	1.0	310
NL565050-680K	68	±10%	10	2.52	7.0	1.2	290
NL565050-820K	82	±10%	20	2.52	6.4	1.4	270
NL565050-101K	100	±10%	20	0.796	6.0	1.6	250
NL565050-121K	120	±10%	20	0.796	5.4	1.9	230
NL565050-151K	150	±10%	20	0.796	4.8	2.2	210
NL565050-181K	180	±10%	20	0.796	4.4	2.8	190
NL565050-221K	220	±10%	20	0.796	3.9	3.4	170
NL565050-271K	270	±10%	20	0.796	3.6	4.2	155
NL565050-331K	330	±10%	20	0.796	3.2	4.9	140
NL565050-391K	390	±10%	20	0.796	2.9	5.8	130
NL565050-471K	470	±10%	20	0.796	2.6	7.0	120
NL565050-561K	560	±10%	20	0.796	2.4	8.5	110
NL565050-681K	680	±10%	20	0.796	2.2	10	100
NL565050-821K	820	±10%	20	0.796	2.0	13	90
NL565050-102K	1000	±10%	20	0.252	1.8	15	85
NL565050-122J	1200	±5%	20	0.252	1.5	17	75
NL565050-152J	1500	±5%	20	0.252	1.4	20	70
NL565050-182K	1800	±5%	20	0.252	1.3	30	60
NL565050-222J	2200	±5%	20	0.252	1.2	35	55
NL565050-272J	2700	±5%	20	0.252	1.1	55	450
NL565050-332J	3300	±5%	20	0.252	1.0	60	40
NL565050-392J	3900	±5%	20	0.252	1.0	70	38
NL565050-472J	4700	±5%	20	0.252	0.9	78	36
NL565050-562J	5600	±5%	20	0.252	0.8	85	33
NL565050-682K	6800	±5%	20	0.252	0.7	110	30
NL565050-822J	8200	±5%	20	0.252	0.6	125	28
NL565050-103J	10000	±5%	15	0.0796	0.5	150	25

※Operating Temp: -40°C ~ +105°C

※Inducrance drop = 10% type at IDC



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PACKING

Type	Size	Tape Reel Size	Quantity (ea)		
NL252018-01	2.5x2.0x1.8	178 mm	2,000/Reel	20K / Inner Box	120K / Carton
NL252018-02	2.5x2.0x1.8	178 mm	2,000/Reel	20K / Inner Box	120K / Carton
NL322522	3.2x2.5x2.2	178 mm	2,000/Reel	20K / Inner Box	120K / Carton
NL453232	4.5x3.2x3.2	178 mm	500/Reel	5K / Inner Box	30K / Carton
NL565050	5.6x5.0x4.0	330 mm	1000/Reel	3K / Inner Box	45K / Carton

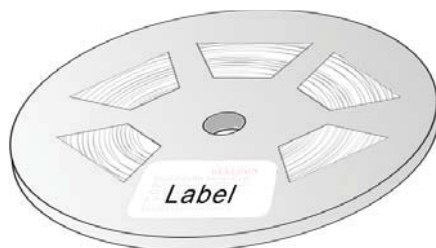
Tape Reel



178mm



Inner Box



330mm



Carton Pack
SINLOON®

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※Mayloon characteristic parameters of electronic product specification changes or updates without notice to improve。

