



小型繞線壓模式貼片電感
Range: 0.1 μ H ~ 100 μ H

TYPE: NL322522 Series
SMD Wirewound Chip Molded Inductor

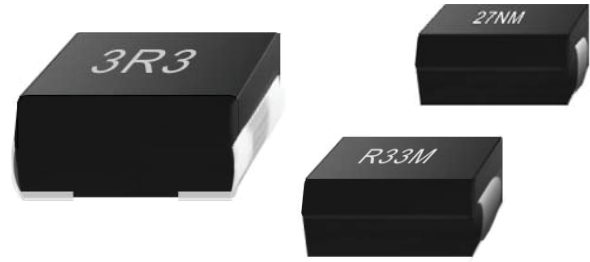
Feature (特性)

- ◆ 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: NL322522-R10M

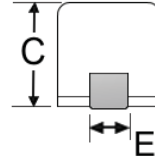
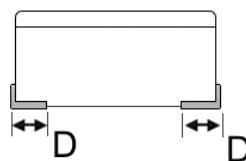
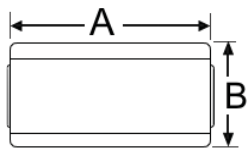
Type	Size	Inductance	Tolerance		Packing
NL252018-01	2.5x2.0x1.8	Ref.	H= \pm 3%	A= \pm 0.1nH	T=Taping
NL252018-02	2.5x2.0x1.8		J= \pm 5%	B= \pm 0.2nH	B=Bulk
NL322522	3.2x2.5x2.2		K= \pm 10%	C= \pm 0.3nH	
NL453232	4.5x3.2x3.2		M= \pm 20%		
NL565050	5.6x5.0x4.0				

DIMENSION

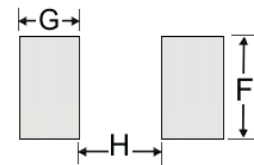
Unit: in mm

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

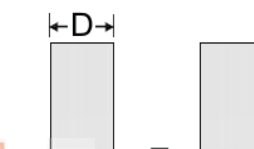
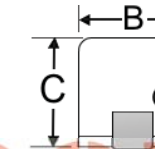
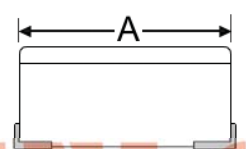
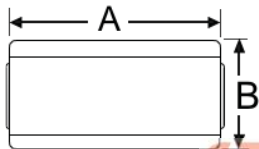
NL252018-01
NL252018-02
NL322522
NL453232



Land Pattern



NL565050



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

Land Pattern





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TYPE:NL322522 Series

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□ Standard Electrical Specifications NL322522 (1210) Chip Inductor

Part Number	Inductance	Tolerance	Q	Frequency	SRF(MHz)	DCR(Ω)	IDC(mA)
NL322522(1210)	(μH)	(%)	(min)	(MHz)	(min)	(max)	(max)
產品料號	電感值(L)	誤差(%)	品質因數	測試頻率	共振頻率	直流阻抗	定格電流
NL322522-R10M	0.10	±20%	28	100.00	700	0.44	450
NL322522-R12M	0.12	±20%	30	25.20	500	0.22	450
NL322522-R15M	0.15	±20%	30	25.20	450	0.25	450
NL322522-R18M	0.18	±20%	30	25.20	400	0.28	450
NL322522-R22M	0.22	±20%	30	25.20	350	0.32	450
NL322522-R27M	0.27	±20%	30	25.20	320	0.36	450
NL322522-R33M	0.33	±20%	30	25.20	300	0.40	450
NL322522-R39M	0.39	±20%	30	25.20	250	0.45	450
NL322522-R47M	0.47	±20%	30	25.20	220	0.50	450
NL322522-R56M	0.56	±20%	30	25.20	180	0.55	450
NL322522-R68M	0.68	±20%	30	25.20	160	0.60	450
NL322522-R82M	0.82	±20%	30	25.20	140	0.65	450
NL322522-1R0K	1.0	±10%	30	7.96	120	0.70	400
NL322522-1R2K	1.2	±10%	30	7.96	100	0.75	390
NL322522-1R5K	1.5	±10%	30	7.96	85	0.85	370
NL322522-1R8K	1.8	±10%	30	7.96	80	0.90	350
NL322522-2R2K	2.2	±10%	30	7.96	75	1.00	320
NL322522-2R7K	2.7	±10%	30	7.96	70	1.10	290
NL322522-3R3K	3.3	±10%	30	7.96	60	1.20	260
NL322522-3R9K	3.9	±10%	30	7.96	55	1.30	250
NL322522-4R7K	4.7	±10%	30	7.96	45	1.50	220
NL322522-5R6K	5.6	±10%	30	7.96	35	1.60	200
NL322522-6R8K	6.8	±10%	30	7.96	30	1.80	180
NL322522-8R2K	8.2	±10%	30	7.96	20	2.00	170
NL322522-100K	10	±10%	30	2.52	20	2.10	150
NL322522-120K	12	±10%	30	2.52	20	2.50	140
NL322522-150K	15	±10%	30	2.52	20	2.80	130
NL322522-180K	18	±10%	30	2.52	20	3.30	120
NL322522-220K	22	±10%	30	2.52	20	3.70	110
NL322522-270K	27	±10%	30	2.52	20	5.00	80
NL322522-330K	33	±10%	30	2.52	17	5.60	70
NL322522-390K	39	±10%	30	2.52	16	6.40	65
NL322522-470K	47	±10%	30	2.52	15	7.00	60
NL322522-560K	56	±10%	30	2.52	13	8.00	55
NL322522-680K	68	±10%	30	2.52	12	9.00	50
NL322522-820K	82	±10%	30	2.52	11	10.00	45
NL322522-101K	100	±10%	20	0.796	10	10.00	40

※Operating Temp: -30°C ~ +100°C

※Inductance drop = 10% type at IDC



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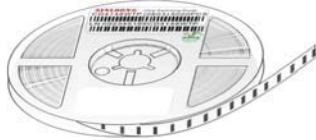
TYPE: NL322522 Series

SMD Wirewound Chip Molded Inductor

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

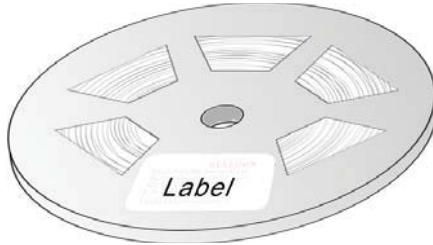
Tape Reel



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。

