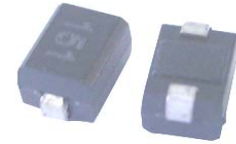


# 模压电感—NLV系列

## SMD Inductors (Coils) for Signal Line (Wound)

### — NLV Series



Operating Temperature: -40°C ~ +85°C

#### 特征

- 对于无铅化回流焊接条件，具有高度的耐热性。
- 终端镀层采用了无铅材料。
- 电气特性，可靠性，形状，焊盘形状与传统的NL系列相同。
- 采用金属终端，具有高度的连接可靠性。
- 外装成型树脂采用了具有高度耐热性的热可塑性树脂。
- 具有全部为J(±5%)容差产品的0.01~100μH的E-12系列产品。
- 本产品符合RoHS指令标准。

#### FEATURES

- The product has good heat durability that withstands lead-free compatible reflow soldering conditions.
- Lead-free material is used for the plating on the terminal.
- The electrical characteristics, reliability, shape and pad shape are the same as the previous NL series.
- The product uses metal terminals, which realize excellent connection reliability.
- Highly heat resistant thermoplastic resin is used to form the exterior package.
- From 0.01μH to 100μH, all of the products in the E-12 series are J(±5%) tolerance products.
- The product conforms to the RoHS standards.

#### 用途

- 电视机，磁带录像机，数码照相机等AV设备。
- xDSL，手机基站等的通信基础电子设备。
- 汽车音响，ECU等车载用电子设备。
- 硬盘驱动器，光盘驱动器，其他电子各种设备。

#### APPLICATIONS

- Audio-visual equipment including TVS, VCRS and digital cameras.
- Used in communication infrastructures including xDSL and mobile base station.
- Used in onboard automobile equipment including car audio and ECU systems.
- Other electronic equipment including HDDs and ODDs.

#### 产品型号

#### PRODUCT IDENTIFICATION

**NLV**

**25**

**I**

**2R2**

**J**

**F**

①

②

③

④

⑤

⑥

①

分类 Type	
NLV	模压电感 SMD Inductors (coils) for Signal Line (wound)

②

外形尺寸(L×W) (mm) External Dimensions (L×W) (mm)	
25	2.5×2.0×1.8
32	3.2×2.5×2.2

③

包装 Packing	
B	散装 Bulk Package
T	编带 Tape & Reel

④

公称电感量 Nominal Inductance	
Example	Nominal Value
1R0	1uH
220	22uH

※R=小数点

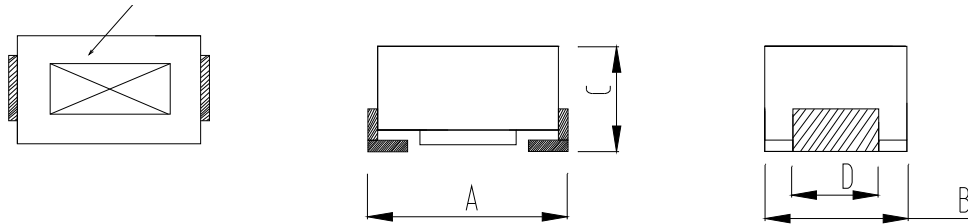
⑤

电感公差 Inductance tolerance	
J	±5%

⑥

无有害物质产品 Hazardous Substance Free Products
F

捺印(Marking)



TYPE	DIMENSIONS (Unit: mm)			
	A( $\pm 0.3$ )	B( $\pm 0.2$ )	C( $\pm 0.2$ )	D( $\pm 0.2$ )
NLV25T	2.5	2.0	1.8	1.4
NLV32T	3.2	2.5	2.2	1.9

规格特性

## SPECIFICATIONS

## NLV 25T TYPE

Part Number 型号	Inductance 电感量	L Test Condition L 测试条件	Q MIN 品质因子	Q TEST Freq 测试频率	DCR ( $\Omega$ ) MAX 直流电阻	SRF (MHz) MIN 自谐频率	IDC (mA) MAX 额定电流
Units 单位	$\mu\text{H}$	MHz	—	MHz	$\Omega$	MHz	mA
Symbol 符号	L	Freq	Q	Freq	DCR	S.R.F	I <sub>r</sub>
NLV25T-010J-F	0.01	100	15	100	0.26	2150	530
NLV25T-012J-F	0.012	100	15	100	0.27	2050	500
NLV25T-015J-F	0.015	100	15	100	0.29	2000	480
NLV25T-018J-F	0.018	100	15	100	0.31	1850	450
NLV25T-022J-F	0.022	100	15	100	0.37	1650	420
NLV25T-027J-F	0.027	100	15	100	0.40	1550	410
NLV25T-033J-F	0.033	100	20	100	0.42	1450	400
NLV25T-039J-F	0.039	100	20	100	0.45	1350	380
NLV25T-047J-F	0.047	100	20	100	0.50	1200	360
NLV25T-056J-F	0.056	100	20	100	0.60	1100	340
NLV25T-068J-F	0.068	100	20	100	0.65	1050	320
NLV25T-082J-F	0.082	100	20	100	0.75	900	300
NLV25T-R10J-F	0.1	100	20	100	0.80	800	280
NLV25T-R12J-F	0.12	25.2	30	25.2	0.30	700	550
NLV25T-R15J-F	0.15	25.2	30	25.2	0.35	550	500
NLV25T-R18J-F	0.18	25.2	30	25.2	0.40	500	460
NLV25T-R22J-F	0.22	25.2	30	25.2	0.50	450	430
NLV25T-R27J-F	0.27	25.2	30	25.2	0.55	425	420
NLV25T-R33J-F	0.33	25.2	30	25.2	0.60	400	400
NLV25T-R39J-F	0.39	25.2	30	25.2	0.65	375	375
NLV25T-R47J-F	0.47	25.2	30	25.2	0.68	350	350
NLV25T-R56J-F	0.56	25.2	30	25.2	0.75	325	325
NLV25T-R68J-F	0.68	25.2	30	25.2	0.85	300	300
NLV25T-R82J-F	0.82	25.2	30	25.2	1.00	260	260
NLV25T-1R0J-F	1	7.96	30	7.96	1.10	245	245
NLV25T-1R2J-F	1.2	7.96	30	7.96	1.20	230	230
NLV25T-1R5J-F	1.5	7.96	30	7.96	1.30	182	220
NLV25T-1R8J-F	1.8	7.96	30	7.96	1.45	135	210
NLV25T-2R2J-F	2.2	7.96	30	7.96	1.55	105	200
NLV25T-2R7J-F	2.7	7.96	30	7.96	1.70	70	195

## NLV 25T TYPE

Part Number 型号	Inductance 电感量	L Test Condition L 测试条件	Q MIN 品质因子	Q TEST Freq 测试频率	DCR (Ω) MAX 直流电阻	SRF (MHz) MIN 自谐频率	IDC (mA) MAX 额定电流
Units 单位	μH	MHz	—	MHz	Ω	MHz	mA
Symbol 符号	L	Freq	Q	Freq	DCR	S.R.F	I <sub>r</sub>
NLV25T-3R3J-F	3.3	7.96	30	7.96	1.90	55	185
NLV25T-3R9J-F	3.9	7.96	30	7.96	2.10	48	180
NLV25T-4R7J-F	4.7	7.96	30	7.96	2.30	43	175
NLV25T-5R6J-F	5.6	7.96	25	7.96	2.50	42	170
NLV25T-6R8J-F	6.8	7.96	25	7.96	2.70	39	165
NLV25T-8R2J-F	8.2	7.96	25	7.96	3.05	36	160
NLV25T-100J-F	10	2.52	25	2.52	3.50	33	155
NLV25T-120J-F	12	2.52	25	2.52	3.80	30	150
NLV25T-150J-F	15	2.52	25	2.52	4.40	26	140
NLV25T-180J-F	18	2.52	25	2.52	4.80	24	130
NLV25T-220J-F	22	2.52	25	2.52	5.50	22	125
NLV25T-270J-F	27	2.52	25	2.52	6.30	21	115
NLV25T-330J-F	33	2.52	25	2.52	7.10	20	110
NLV25T-390J-F	39	2.52	20	2.52	9.50	18	90
NLV25T-470J-F	47	2.52	20	2.52	11.1	17	80
NLV25T-560J-F	56	2.52	20	2.52	12.10	16	75
NLV25T-680J-F	68	2.52	20	2.52	16.60	15	70
NLV25T-820J-F	82	2.52	20	2.52	19.00	13	66
NLV25T-101J-F	100	0.796	15	0.796	21.00	12	60

## NLV 32T TYPE

Part Number 型号	Inductance 电感量	L Test Condition L 测试条件	Q MIN 品质因子	Q TEST Freq 测试频率	DCR (Ω) MAX 直流电阻	SRF (MHz) MIN 自谐频率	IDC (mA) MAX 额定电流
Units 单位	μH	MHz	—	MHz	Ω	MHz	mA
Symbol 符号	L	Freq	Q	Freq	DCR	S.R.F	I <sub>r</sub>
NLV32T-010J-F	0.01	100	15	100	0.13	2500	450
NLV32T-012J-F	0.012	100	17	100	0.14	2300	450
NLV32T-015J-F	0.015	100	19	100	0.16	2100	450
NLV32T-018J-F	0.018	100	21	100	0.18	1900	450
NLV32T-022J-F	0.022	100	23	100	0.20	1700	450
NLV32T-027J-F	0.027	100	23	100	0.22	1500	450
NLV32T-033J-F	0.033	100	25	100	0.24	1400	450
NLV32T-039J-F	0.039	100	25	100	0.27	1300	450
NLV32T-047J-F	0.047	100	26	100	0.30	1200	450
NLV32T-056J-F	0.056	100	26	100	0.33	1100	450
NLV32T-068J-F	0.068	100	27	100	0.36	1000	450
NLV32T-082J-F	0.082	100	27	100	0.40	900	450
NLV32T-R10J-F	0.1	100	28	100	0.44	700	450
NLV32T-R12J-F	0.12	25.2	30	25.2	0.22	500	450
NLV32T-R15J-F	0.15	25.2	30	25.2	0.25	450	450
NLV32T-R18J-F	0.18	25.2	30	25.2	0.28	400	450
NLV32T-R22J-F	0.22	25.2	30	25.2	0.32	350	450
NLV32T-R27J-F	0.27	25.2	30	25.2	0.36	320	450
NLV32T-R33J-F	0.33	25.2	30	25.2	0.40	300	450
NLV32T-R39J-F	0.39	25.2	30	25.2	0.45	250	450
NLV32T-R47J-F	0.47	25.2	30	25.2	0.50	220	450
NLV32T-R56J-F	0.56	25.2	30	25.2	0.55	180	450
NLV32T-R68J-F	0.68	25.2	30	25.2	0.60	160	450
NLV32T-R82J-F	0.82	25.2	30	25.2	0.65	140	450

## NLV 32T TYPE

Part Number 型号	Inductance 电感量	L Test Condition L 测试条件	Q MIN 品质因子	Q TEST Freq 测试频率	DCR (Ω) MAX 直流电阻	SRF (MHz) MIN 自谐频率	IDC (mA) MAX 额定电流
Units 单位	μH	MHz	—	MHz	Ω	MHz	mA
Symbol 符号	L	Freq	Q	Freq	DCR	S.R.F	I <sub>r</sub>
NLV32T-1R0J-F	1	7.96	30	7.96	0.7	120	400
NLV32T-1R2J-F	1.2	7.96	30	7.96	0.75	100	390
NLV32T-1R5J-F	1.5	7.96	30	7.96	0.85	85	370
NLV32T-1R8J-F	1.8	7.96	30	7.96	0.90	80	350
NLV32T-2R2J-F	2.2	7.96	30	7.96	1.00	75	320
NLV32T-2R7J-F	2.7	7.96	30	7.96	1.10	70	290
NLV32T-3R3J-F	3.3	7.96	30	7.96	1.20	60	260
NLV32T-3R9J-F	3.9	7.96	30	7.96	1.30	55	250
NLV32T-4R7J-F	4.7	7.96	30	7.96	1.50	50	220
NLV32T-5R6J-F	5.6	7.96	30	7.96	1.60	45	200
NLV32T-6R8J-F	6.8	7.96	30	7.96	1.80	40	180
NLV32T-8R2J-F	8.2	7.96	30	7.96	2.00	35	170
NLV32T-100J-F	10	2.52	30	2.52	2.10	30	150
NLV32T-120J-F	12	2.52	30	2.52	2.50	20	140
NLV32T-150J-F	15	2.52	30	2.52	2.80	20	130
NLV32T-180J-F	18	2.52	30	2.52	3.30	20	120
NLV32T-220J-F	22	2.52	30	2.52	3.70	20	110
NLV32T-270J-F	27	2.52	30	2.52	5.00	20	80
NLV32T-330J-F	33	2.52	30	2.52	5.60	17	70
NLV32T-390J-F	39	2.52	30	2.52	6.40	16	65
NLV32T-470J-F	47	2.52	30	2.52	7.00	15	60
NLV32T-560J-F	56	2.52	30	2.52	8.00	13	55
NLV32T-680J-F	68	2.52	30	2.52	9.00	12	50
NLV32T-820J-F	82	2.52	30	2.52	10.00	11	45
NLV32T-101J-F	100	0.796	20	0.796	10.00	10	40
NLV32T-121J-F	120	0.796	20	0.796	11.00	10	70
NLV32T-151J-F	150	0.796	20	0.796	15.00	8	65
NLV32T-181J-F	180	0.796	20	0.796	17.00	7	60
NLV32T-221J-F	220	0.796	20	0.796	21.00	7	50
NLV32T-271J-F	270	0.796	20	0.796	28.00	6	45
NLV32T-331J-F	330	0.796	20	0.796	34.00	5	40
NLV32T-391J-F	390	0.796	20	0.796	36.00	5	35
NLV32T-471J-F	470	0.796	20	0.796	40.00	4	25