

# TDK Surface Mount Inductors



## NLV SERIES NLV25/32 TYPE

### For Signal Line

#### 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
- Highly heat resistant thermoplastic resin is used to form the exterior package
- This product conforms to the RoHS standard

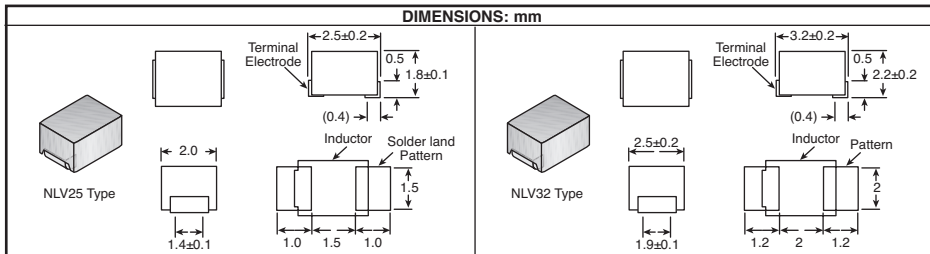


#### Applications:

- PCs, hard disk drives, and other types of electronics

#### Specifications:

- Operating Temperature: -40°C to +105°C
- Inductance Tolerance: ±5%



For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	TDK Part No.	L (μH)	Q Min.	Test Freq. (MHz)	Rdc (Ω) max.	Idc (mA) max.	Price Each		
							1	100	2000
810-NLV25T-010J	NLV25T-010J-PF	0.01	15	100	.26	530	.27	.17	.077
810-NLV25T-012J	NLV25T-012J-PF	0.012	15	100	.27	500	.31	.19	.09
810-NLV25T-015J	NLV25T-015J-PF	0.015	15	100	.29	480	.32	.20	.092
810-NLV25T-018J	NLV25T-018J-PF	0.018	15	100	.31	450	.32	.20	.092
810-NLV25T-022J	NLV25T-022J-PF	0.022	15	100	.37	420	.27	.17	.077
810-NLV25T-027J	NLV25T-027J-PF	0.027	15	100	.40	410	.27	.17	.077
810-NLV25T-033J	NLV25T-033J-PF	0.033	20	100	.42	400	.32	.20	.092
810-NLV25T-039J	NLV25T-039J-PF	0.039	20	100	.45	380	.31	.19	.09
810-NLV25T-047J	NLV25T-047J-PF	0.047	20	100	.50	360	.32	.20	.092
810-NLV25T-056J	NLV25T-056J-PF	0.056	20	100	.60	340	.32	.20	.092
810-NLV25T-068J	NLV25T-068J-PF	0.068	20	100	.65	320	.32	.20	.092
810-NLV25T-082J	NLV25T-082J-PF	0.082	20	100	.75	300	.32	.20	.092
810-NLV25T-R10J	NLV25T-R10J-PF	0.1	20	100	.80	280	.32	.20	.092
810-NLV25T-R12J	NLV25T-R12J-PF	0.12	30	25.2	.30	550	.32	.20	.092
810-NLV25T-R15J	NLV25T-R15J-PF	0.15	30	25.2	.35	500	.27	.17	.077
810-NLV25T-R18J	NLV25T-R18J-PF	0.18	30	25.2	.40	460	.27	.17	.077
810-NLV25T-R22J	NLV25T-R22J-PF	0.22	30	25.2	.50	430	.31	.19	.09
810-NLV25T-R27J	NLV25T-R27J-PF	0.27	30	25.2	.55	420	.27	.17	.077
810-NLV25T-R33J	NLV25T-R33J-PF	0.33	30	25.2	.60	400	.27	.17	.077
810-NLV25T-R39J	NLV25T-R39J-PF	0.39	30	25.2	.65	375	.31	.19	.09
810-NLV25T-R47J	NLV25T-R47J-PF	0.47	30	25.2	.68	350	.27	.17	.077
810-NLV25T-R56J	NLV25T-R56J-PF	0.56	30	25.2	.75	325	.27	.17	.077
810-NLV25T-R68J	NLV25T-R68J-PF	0.68	30	25.2	.85	300	.32	.20	.092
810-NLV25T-R82J	NLV25T-R82J-PF	0.82	30	25.2	1.00	260	.32	.20	.092
810-NLV25T-1R0J	NLV25T-1R0J-PF	1.0	30	7.96	1.10	245	.27	.17	.077
810-NLV25T-1R2J	NLV25T-1R2J-PF	1.2	30	7.96	1.20	230	.27	.17	.077
810-NLV25T-1R5J	NLV25T-1R5J-PF	1.5	30	7.96	1.30	220	.32	.20	.092
810-NLV25T-1R8J	NLV25T-1R8J-PF	1.8	30	7.96	1.45	210	.32	.20	.092
810-NLV25T-2R2J	NLV25T-2R2J-PF	2.2	30	7.96	1.55	200	.27	.17	.077
810-NLV25T-2R7J	NLV25T-2R7J-PF	2.7	30	7.96	1.70	195	.32	.20	.092
810-NLV25T-3R3J	NLV25T-3R3J-PF	3.3	30	7.96	1.90	185	.32	.20	.092
810-NLV25T-3R9J	NLV25T-3R9J-PF	3.9	30	7.96	2.10	180	.32	.20	.092
810-NLV25T-4R7J	NLV25T-4R7J-PF	4.7	30	7.96	2.30	175	.27	.17	.077
810-NLV25T-5R6J	NLV25T-5R6J-PF	5.6	25	7.96	2.50	170	.31	.19	.09
810-NLV25T-6R8J	NLV25T-6R8J-PF	6.8	25	7.96	2.70	165	.27	.17	.077
810-NLV25T-8R2J	NLV25T-8R2J-PF	8.2	25	7.96	3.05	160	.27	.17	.077
810-NLV25T-100J	NLV25T-100J-PF	10	25	2.52	3.50	155	.27	.17	.077
810-NLV25T-120J	NLV25T-120J-PF	12	25	2.52	3.80	150	.27	.17	.077
810-NLV25T-150J	NLV25T-150J-PF	15	25	2.52	4.40	140	.27	.17	.077
810-NLV25T-180J	NLV25T-180J-PF	18	25	2.52	4.80	130	.32	.20	.092

For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	TDK Part No.	L (μH)	Q Min.	Test Freq. (MHz)	Rdc (Ω) max.	Idc (mA) max.	Price Each		
							1	100	2000
<b>NLV25 Type (Cont.)</b>									
810-NLV25T-220J	NLV25T-220J-PF	22	25	2.52	5.50	125	.27	.17	.077
810-NLV25T-270J	NLV25T-270J-PF	27	25	2.52	6.30	115	.32	.20	.092
810-NLV25T-330J	NLV25T-330J-PF	33	25	2.52	7.10	110	.32	.20	.092
810-NLV25T-390J	NLV25T-390J-PF	39	20	2.52	9.50	90	.27	.17	.077
810-NLV25T-470J	NLV25T-470J-PF	47	20	2.52	11.10	80	.27	.17	.077
810-NLV25T-560J	NLV25T-560J-PF	56	20	2.52	12.10	75	.32	.20	.092
810-NLV25T-680J	NLV25T-680J-PF	68	20	2.52	16.60	70	.32	.20	.092
810-NLV25T-820J	NLV25T-820J-PF	82	20	2.52	19.00	66	.27	.17	.077
810-NLV25T-101J	NLV25T-101J-PF	100	15	0.796	21.00	60	.27	.17	.077
<b>NLV32 Type</b>									
810-NLV32T-010J	NLV32T-010J-PF	0.01	15	100	.13	450	.31	.17	.092
810-NLV32T-015J	NLV32T-015J-PF	0.015	19	100	.16	450	.31	.17	.092
810-NLV32T-022J	NLV32T-022J-PF	0.022	23	100	.20	450	.29	.16	.084
810-NLV32T-033J	NLV32T-033J-PF	0.033	25	100	.24	450	.31	.17	.092
810-NLV32T-047J	NLV32T-047J-PF	0.047	26	100	.30	450	.31	.17	.092
810-NLV32T-068J	NLV32T-068J-PF	0.068	27	100	.36	450	.31	.17	.092
810-NLV32T-R10J	NLV32T-R10J-PF	0.1	28	100	.44	450	.29	.16	.084
810-NLV32T-R15J	NLV32T-R15J-PF	0.15	30	25.2	.25	450	.29	.16	.084
810-NLV32T-R22J	NLV32T-R22J-PF	0.22	30	25.2	.32	450	.29	.16	.084
810-NLV32T-R33J	NLV32T-R33J-PF	0.33	30	25.2	.40	450	.31	.17	.092
810-NLV32T-R47J	NLV32T-R47J-PF	0.47	30	25.2	.50	450	.31	.17	.094
810-NLV32T-R68J	NLV32T-R68J-PF	0.68	30	25.2	.60	450	.29	.16	.084
810-NLV32T-1R0J	NLV32T-1R0J-PF	1	30	7.96	0.7	400	.29	.16	.084
810-NLV32T-1R5J	NLV32T-1R5J-PF	1.5	30	7.96	0.85	370	.31	.17	.092
810-NLV32T-2R2J	NLV32T-2R2J-PF	2.2	30	7.96	1	320	.29	.16	.084
810-NLV32T-3R3J	NLV32T-3R3J-PF	3.3	30	7.96	1.2	260	.31	.17	.092
810-NLV32T-4R7J	NLV32T-4R7J-PF	4.7	30	7.96	1.5	220	.29	.16	.084
810-NLV32T-6R8J	NLV32T-6R8J-PF	6.8	30	7.96	1.8	180	.29	.16	.084
810-NLV32T-100J	NLV32T-100J-PF	10	30	2.52	2.1	150	.31	.17	.092
810-NLV32T-150J	NLV32T-150J-PF	15	30	2.52	2.8	130	.31	.17	.092
810-NLV32T-220J	NLV32T-220J-PF	22	30	2.52	3.7	110	.29	.16	.084
810-NLV32T-330J	NLV32T-330J-PF	33	30	2.52	5.6	70	.31	.17	.092
810-NLV32T-470J	NLV32T-470J-PF	47	30	2.52	7	60	.31	.17	.092
810-NLV32T-680J	NLV32T-680J-PF	68	30	2.52	9	50	.29	.16	.084
810-NLV32T-101J	NLV32T-101J-PF	100	20	0.796	10	40	.29	.16	.084
810-NLV32T-151J	NLV32T-151J-PF	150	20	0.796	15	65	.29	.16	.084
810-NLV32T-221J	NLV32T-221J-PF	220	30	2.52	21	50	.29	.16	.084
810-NLV32T-331J	NLV32T-331J-PF	330	20	0.796	34	40	.29	.16	.084
810-NLV32T-471J	NLV32T-471J-PF	470	20	0.796	40	25	.29	.16	.084

## NLCV SERIES NLCV25/32 TYPE

### For Power Line

#### 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
- Highly heat resistant thermoplastic resin is used to form the exterior package
- This product conforms to the RoHS standard

#### Applications:

- PCs, hard disk drives, and other types of electronics

#### Specifications:

- Operating Temperature: -40°C to +105°C
- Inductance Tolerance: 10% (K); 20% (M)

For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	TDK Part No.	L (μH)	Q Min.	Test Freq. (MHz)	Rdc (Ω) max.	Idc (mA) max.	Price Each		
							1	100	2000
<b>NLCV25 Type</b>									
810-NLCV25T-1R0M	NLCV25T-1R0M-PF	1	20	7.96	0.34	475	.27	.17	.077
810-NLCV25T-1R5M	NLCV25T-1R5M-PF	1.5	20	7.96	0.42	435	.32	.20	.092
810-NLCV25T-2R2M	NLCV25T-2R2M-PF	2.2	20	7.96	0.5	390	.32	.20	.092
810-NLCV25T-3R3M	NLCV25T-3R3M-PF	3.3	20	7.96	0.65	340	.27	.17	.077
810-NLCV25T-4R7M	NLCV25T-4R7M-PF	4.7	20	7.96	0.8	285	.27	.17	.077
810-NLCV25T-6R8M	NLCV25T-6R8M-PF	6.8	20	7.96	1	275	.32	.20	.092
810-NLCV25T-100K	NLCV25T-100K-PF	10	30	2.52	1.69	210	.27	.17	.077
810-NLCV25T-150K	NLCV25T-150K-PF	15	30	2.52	2.2	175	.32	.20	.092
810-NLCV25T-220K	NLCV25T-220K-PF	22	30	2.52	2.8	160	.32	.20	.092
810-NLCV25T-330K	NLCV25T-330K-PF	33	30	2.52	4.2	120	.27	.17	.077
<b>NLCV32 Type</b>									
810-NLCV32T-1R0M	NLCV32T-1R0M-PF	1	10	7.96	0.08	850	.29	.19	.084
810-NLCV32T-1R5M	NLCV32T-1R5M-PF	1.5	10	7.96	0.11	700	.29	.19	.084
810-NLCV32T-2R2M	NLCV32T-2R2M-PF	2.2	10	7.96	0.13	600	.29	.19	.084
810-NLCV32T-3R3M	NLCV32T-3R3M-PF	3.3	10	7.96	0.16	500	.31	.20	.092
810-NLCV32T-100K	NLCV32T-100K-PF	10	15	2.52	0.36	300	.29	.19	.084
810-NLCV32T-150K	NLCV32T-150K-PF	15	15	2.52	0.56	250	.29	.19	.084
810-NLCV32T-220K	NLCV32T-220K-PF	22	15	2.52	0.77	210	.29	.19	.084
810-NLCV32T-330K	NLCV32T-330K-PF	33	15	2.52	1.1	170	.29	.19	.084
810-NLCV32T-470K	NLCV32T-470K-PF	47	15	2.52	1.64	150	.31	.20	.092
810-NLCV32T-101K	NLCV32T-101K-PF	100	15	0.796	3.7	100	.29	.19	.084
810-NLCV32T-151K	NLCV32T-151K-PF	150	20	0.796	6.1	85	.31	.20	.092
810-NLCV32T-221K	NLCV32T-221K-PF	220	20	0.796	8.4	70	.31	.20	.092
810-NLCV32T-331K	NLCV32T-331K-PF	330	20	0.796	12.3				