

Data Sheet

Customer:

Product: Wire Wound Chip Inductor(Ferrite) –NLV Series

Sizes.: 1008/1210

Issued Date: 6-May-13

Edition: REV.A



VIKING TECH CORPORATION

光韻科技股份有限公司

No.70, Kuanfu N. Rad.,

Hsin Chu Industrial Park,

Hukou Hsiang, Hsin Chu Hsien,

303, Taiwan

TEL:886-3-5972931

FAX:886-3-5972935•886-3-5973494

E-mail:sales@viking.com.tw

VIKING TECH CORPORATION KAOHSIUNG BRANCH

光韻科技股份有限公司高雄分公司

No.248-3, Sin-Sheng Rd., Cian-Jhen Dist., Kaohsiung,

806, Taiwan

TEL:886-7-8217999

FAX:886-7-8228229

E-mail:sales@viking.com.tw

WUXI TMTEC CO., LTD.

無錫泰銘電子有限公司

No.22 Xixia Road, Machinery & Industry Park,

National Hi-Tech Industrial Development Zone

of Wuxi, Wuxi, Jiangsu Province, China

Zip Code:214028

TEL:86-510-85203339

FAX:86-510-85203667•86-510-85203977

E-mail:china@viking.com.tw

| Produced by (QC) | Checked (QC) | Approved by (QC) | Prepared by (Sales) | Accepted by (Customer) |
|---------------------|-----------------|---------------------|------------------------|---------------------------|
| 6-May-13 | 6-May-13 | 6-May-13 | 6-May-13 | |
| <i>Kris</i> | <i>Ann</i> | <i>Ben</i> | | |

Wire Wound Chip Inductor (Ferrite)

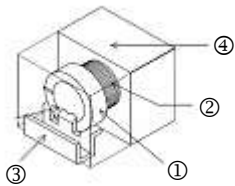
■ Features

- Very strong solderability by flow soldering, soldering iron or wave soldering
- Highly accurate dimensions, can be mounted automatically
- Terminals are highly resistant to pull forces
- Highly resistant to mechanical shocks and pressure
- Highly reliable in environments of sudden temperature change and humidity.
- Super Q characteristics

■ Applications

- Micro Televisions, Liquid Crystal Televisions, Video Cameras, Portable VCRs, Car Radios, Car Stereos, Thin Tape Radios, Television Tuners, Mobile Telephones, Radio and Other Electronic Devices

■ Construction



| | |
|---------------------|-------------------------------------|
| ① Ferrite core | ③ Electrode (Tinned Copper Wire) |
| ② Polyurethane wire | ④ Thermoplastic resin |

■ Part Numbering

| | | | | | |
|--------------|--|--|----------------------------------|---|---|
| NLV | 08 | M | T | C | 1R0 |
| Product Type | Dimensions (LxW) 08: 1008 10: 1210 | Inductance Tolerance J: ±5% K: ±10% M: ±20% | Packaging Code T: Taping Reel | Current : Standard C: Large Current | Inductance 10N: 10nH R27: 270nH 2R7: 2700nH 100: 10µH |

Wire Wound Chip Inductor (Ferrite)

■ Dimensions

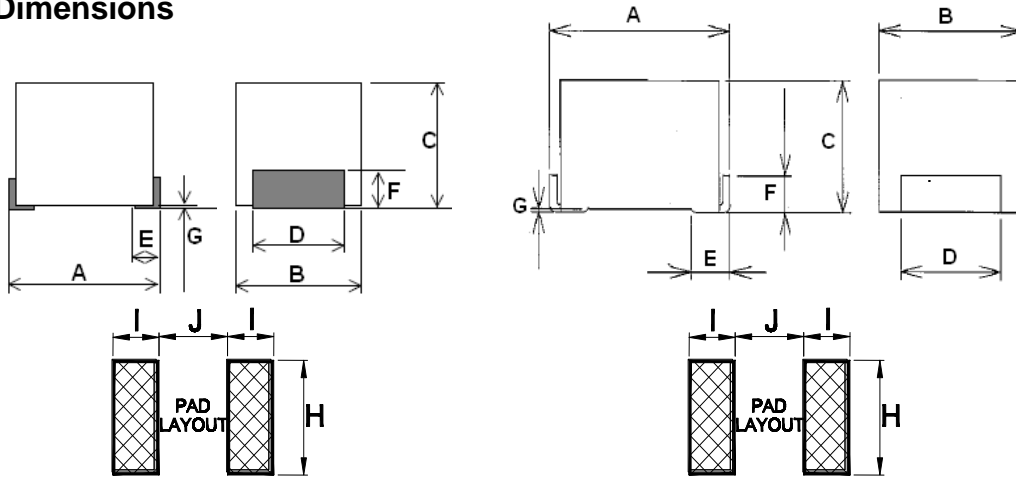


Figure 1

Figure 2

Unit: mm

| Type | Size (Inch) | Figure | A | B | C | D | E | F | G | H | I | J |
|----------|-------------|--------|---------|---------|---------|---------|-----|-----|----------|-----|-----|-----|
| NLV08 | 1008 | 1 | 2.5±0.2 | 2.0±0.1 | 1.8±0.1 | 1.4±0.1 | 0.4 | 0.5 | 0.01~0.1 | 1.5 | 1.0 | 1.5 |
| NLV10 | 1210 | 1 | 3.2±0.2 | 2.5±0.2 | 2.2±0.2 | 1.9±0.1 | 0.4 | 0.5 | 0.01~0.1 | 2.0 | 1.2 | 2.0 |
| NLV08(C) | 1008 | 2 | 2.5±0.2 | 2.0±0.1 | 1.8±0.1 | 1.4±0.1 | 0.4 | 0.5 | 0.01~0.1 | 1.5 | 1.0 | 1.5 |
| NLV10(C) | 1210 | 1 | 3.2±0.2 | 2.5±0.2 | 2.2±0.2 | 1.9±0.1 | 0.4 | 0.5 | 0.01~0.1 | 2.0 | 1.2 | 2.0 |

■ Standard Electrical Specifications

NLV08 Wire Wound Chip Inductors (Ferrite / Molding Type) / Standard Type

| Codes | Inductance (μH) | Tolerance | Q min. | Test Freq. (MHz) | SRF (MHz) min. | DCR (Ω) max. | IDC (mA) max. |
|-------|-----------------|-----------|--------|------------------|----------------|--------------|---------------|
| 10N | 0.010 | ±5% | 15 | 100 | 2150 | 0.26 | 530 |
| 12N | 0.012 | ±5% | 15 | 100 | 2050 | 0.27 | 500 |
| 15N | 0.015 | ±5% | 15 | 100 | 2000 | 0.29 | 480 |
| 18N | 0.018 | ±5% | 15 | 100 | 1850 | 0.31 | 450 |
| 22N | 0.022 | ±5% | 15 | 100 | 1650 | 0.37 | 420 |
| 27N | 0.027 | ±5% | 15 | 100 | 1550 | 0.40 | 410 |
| 33N | 0.033 | ±5% | 20 | 100 | 1450 | 0.42 | 400 |
| 39N | 0.039 | ±5% | 20 | 100 | 1350 | 0.45 | 380 |
| 47N | 0.047 | ±5% | 20 | 100 | 1200 | 0.50 | 360 |
| 56N | 0.056 | ±5% | 20 | 100 | 1100 | 0.60 | 340 |
| 68N | 0.068 | ±5% | 20 | 100 | 1050 | 0.65 | 320 |
| 82N | 0.082 | ±5% | 20 | 100 | 900 | 0.75 | 300 |
| R10 | 0.10 | ±5% | 20 | 100 | 800 | 0.80 | 280 |
| R12 | 0.12 | ±5% | 30 | 25.2 | 700 | 0.30 | 550 |
| R15 | 0.15 | ±5% | 30 | 25.2 | 550 | 0.35 | 500 |
| R18 | 0.18 | ±5% | 30 | 25.2 | 500 | 0.40 | 475 |
| R22 | 0.22 | ±5% | 30 | 25.2 | 450 | 0.50 | 450 |
| R27 | 0.27 | ±5% | 30 | 25.2 | 425 | 0.55 | 425 |
| R33 | 0.33 | ±5% | 30 | 25.2 | 400 | 0.60 | 400 |
| R39 | 0.39 | ±5% | 30 | 25.2 | 375 | 0.65 | 375 |
| R47 | 0.47 | ±5% | 30 | 25.2 | 350 | 0.68 | 350 |
| R56 | 0.56 | ±5% | 30 | 25.2 | 325 | 0.75 | 325 |
| R68 | 0.68 | ±5% | 30 | 25.2 | 300 | 0.85 | 300 |
| R82 | 0.82 | ±5% | 30 | 25.2 | 260 | 1.00 | 260 |

Wire Wound Chip Inductor (Ferrite)

NLV08 Wire Wound Chip Inductors (Ferrite / Molding Type) / Standard Type

| Codes | Inductance (μH) | Tolerance | Q min. | Test Freq. (MHz) | SRF (MHz) min. | DCR (Ω) max. | IDC (mA) max. |
|-------|-----------------|-----------|--------|------------------|----------------|--------------|---------------|
| 1R0 | 1.0 | ±5% | 30 | 7.96 | 245 | 1.10 | 245 |
| 1R2 | 1.2 | ±5% | 30 | 7.96 | 230 | 1.20 | 230 |
| 1R5 | 1.5 | ±5% | 30 | 7.96 | 182 | 1.30 | 220 |
| 1R8 | 1.8 | ±5% | 30 | 7.96 | 135 | 1.45 | 210 |
| 2R2 | 2.2 | ±5% | 30 | 7.96 | 105 | 1.55 | 200 |
| 2R7 | 2.7 | ±5% | 30 | 7.96 | 70 | 1.70 | 195 |
| 3R3 | 3.3 | ±5% | 30 | 7.96 | 55 | 1.90 | 185 |
| 3R9 | 3.9 | ±5% | 30 | 7.96 | 48 | 2.10 | 180 |
| 4R7 | 4.7 | ±5% | 30 | 7.96 | 43 | 2.30 | 175 |
| 5R6 | 5.6 | ±5% | 25 | 7.96 | 42 | 2.50 | 170 |
| 6R8 | 6.8 | ±5% | 25 | 7.96 | 39 | 2.70 | 165 |
| 8R2 | 8.2 | ±5% | 25 | 7.96 | 36 | 3.05 | 160 |
| 100 | 10 | ±5% | 25 | 2.52 | 33 | 3.50 | 155 |
| 120 | 12 | ±5% | 25 | 2.52 | 30 | 3.80 | 150 |
| 150 | 15 | ±5% | 25 | 2.52 | 26 | 4.40 | 140 |
| 180 | 18 | ±5% | 25 | 2.52 | 24 | 4.80 | 130 |
| 220 | 22 | ±5% | 25 | 2.52 | 22 | 5.50 | 125 |
| 270 | 27 | ±5% | 25 | 2.52 | 21 | 6.30 | 115 |
| 330 | 33 | ±5% | 25 | 2.52 | 20 | 7.10 | 110 |
| 390 | 39 | ±5% | 20 | 2.52 | 18 | 9.50 | 90 |
| 470 | 47 | ±5% | 20 | 2.52 | 17 | 11.10 | 80 |
| 560 | 56 | ±5% | 20 | 2.52 | 16 | 12.10 | 75 |
| 680 | 68 | ±5% | 20 | 2.52 | 15 | 16.60 | 70 |
| 820 | 82 | ±5% | 20 | 2.52 | 13 | 19.00 | 66 |
| 101 | 100 | ±5% | 15 | 0.796 | 12 | 21.00 | 60 |

■ Operating Temperature Range: -40~+105°C

NLV10 Wire Wound Chip Inductors (Ferrite / Molding Type) / Standard Type

| Codes | Inductance (μH) | Tolerance | Q min. | Test Freq. (MHz) | SRF (MHz) min. | DCR (Ω) max. | IDC (mA) max. |
|-------|-----------------|-----------|--------|------------------|----------------|--------------|---------------|
| 10N | 0.010 | ±5% | 15 | 100 | 2500 | 0.13 | 450 |
| 12N | 0.012 | ±5% | 17 | 100 | 2300 | 0.14 | 450 |
| 15N | 0.015 | ±5% | 19 | 100 | 2100 | 0.16 | 450 |
| 18N | 0.018 | ±5% | 21 | 100 | 1900 | 0.18 | 450 |
| 22N | 0.022 | ±5% | 23 | 100 | 1700 | 0.20 | 450 |
| 27N | 0.027 | ±5% | 23 | 100 | 1500 | 0.22 | 450 |
| 33N | 0.033 | ±5% | 25 | 100 | 1400 | 0.24 | 450 |
| 39N | 0.039 | ±5% | 25 | 100 | 1300 | 0.27 | 450 |
| 47N | 0.047 | ±5% | 26 | 100 | 1200 | 0.30 | 450 |
| 56N | 0.056 | ±5% | 26 | 100 | 1100 | 0.33 | 450 |
| 68N | 0.068 | ±5% | 27 | 100 | 1000 | 0.36 | 450 |
| 82N | 0.082 | ±5% | 27 | 100 | 900 | 0.40 | 450 |
| R10 | 0.10 | ±5% | 28 | 100 | 700 | 0.44 | 450 |
| R12 | 0.12 | ±5% | 30 | 25.2 | 500 | 0.22 | 450 |
| R15 | 0.15 | ±5% | 30 | 25.2 | 450 | 0.25 | 450 |
| R18 | 0.18 | ±5% | 30 | 25.2 | 400 | 0.28 | 450 |
| R22 | 0.22 | ±5% | 30 | 25.2 | 350 | 0.32 | 450 |
| R27 | 0.27 | ±5% | 30 | 25.2 | 320 | 0.36 | 450 |
| R33 | 0.33 | ±5% | 30 | 25.2 | 300 | 0.40 | 450 |
| R39 | 0.39 | ±5% | 30 | 25.2 | 250 | 0.45 | 450 |

Wire Wound Chip Inductor (Ferrite)

NLV10 Wire Wound Chip Inductors (Ferrite / Molding Type) / Standard Type

| Codes | Inductance (μH) | Tolerance | Q min. | Test Freq. (MHz) | SRF (MHz) min. | DCR (Ω) max. | IDC (mA) max. |
|-------|-----------------|-----------|--------|------------------|----------------|--------------|---------------|
| R47 | 0.47 | ±5% | 30 | 25.2 | 220 | 0.50 | 450 |
| R56 | 0.56 | ±5% | 30 | 25.2 | 180 | 0.55 | 450 |
| R68 | 0.68 | ±5% | 30 | 25.2 | 160 | 0.60 | 450 |
| R82 | 0.82 | ±5% | 30 | 25.2 | 140 | 0.65 | 450 |
| 1R0 | 1.0 | ±5% | 30 | 7.96 | 120 | 0.70 | 400 |
| 1R2 | 1.2 | ±5% | 30 | 7.96 | 100 | 0.75 | 390 |
| 1R5 | 1.5 | ±5% | 30 | 7.96 | 85 | 0.85 | 370 |
| 1R8 | 1.8 | ±5% | 30 | 7.96 | 80 | 0.90 | 350 |
| 2R2 | 2.2 | ±5% | 30 | 7.96 | 75 | 1.00 | 320 |
| 2R7 | 2.7 | ±5% | 30 | 7.96 | 70 | 1.10 | 290 |
| 3R3 | 3.3 | ±5% | 30 | 7.96 | 60 | 1.20 | 260 |
| 3R9 | 3.9 | ±5% | 30 | 7.96 | 55 | 1.30 | 250 |
| 4R7 | 4.7 | ±5% | 30 | 7.96 | 50 | 1.50 | 220 |
| 5R6 | 5.6 | ±5% | 30 | 7.96 | 45 | 1.60 | 200 |
| 6R8 | 6.8 | ±5% | 30 | 7.96 | 40 | 1.80 | 180 |
| 8R2 | 8.2 | ±5% | 30 | 7.96 | 35 | 2.00 | 170 |
| 100 | 10 | ±5% | 30 | 2.52 | 30 | 2.10 | 150 |
| 120 | 12 | ±5% | 30 | 2.52 | 20 | 2.50 | 140 |
| 150 | 15 | ±5% | 30 | 2.52 | 20 | 2.80 | 130 |
| 180 | 18 | ±5% | 30 | 2.52 | 20 | 3.30 | 120 |
| 220 | 22 | ±5% | 30 | 2.52 | 20 | 3.70 | 110 |
| 270 | 27 | ±5% | 30 | 2.52 | 20 | 5.00 | 80 |
| 330 | 33 | ±5% | 30 | 2.52 | 17 | 5.60 | 70 |
| 390 | 39 | ±5% | 30 | 2.52 | 16 | 6.40 | 65 |
| 470 | 47 | ±5% | 30 | 2.52 | 15 | 7.00 | 60 |
| 560 | 56 | ±5% | 30 | 2.52 | 13 | 8.00 | 55 |
| 680 | 68 | ±5% | 30 | 2.52 | 12 | 9.00 | 50 |
| 820 | 82 | ±5% | 30 | 2.52 | 11 | 10.00 | 45 |
| 101 | 100 | ±5% | 20 | 0.796 | 10 | 10.00 | 40 |
| 121 | 120 | ±5% | 20 | 0.796 | 10 | 11.00 | 70 |
| 151 | 150 | ±5% | 20 | 0.796 | 8 | 15.00 | 65 |
| 181 | 180 | ±5% | 20 | 0.796 | 7 | 17.00 | 60 |
| 221 | 220 | ±5% | 20 | 0.796 | 7 | 21.00 | 50 |
| 271 | 270 | ±5% | 20 | 0.796 | 6 | 28.00 | 45 |
| 331 | 330 | ±5% | 20 | 0.796 | 5 | 34.00 | 40 |
| 391 | 390 | ±5% | 20 | 0.796 | 5 | 36.00 | 35 |
| 471 | 470 | ±5% | 20 | 0.796 | 4 | 40.00 | 25 |

■ Operating Temperature Range: -40~+105°C

Large Current Electrical Specifications

NLV08 Wire Wound Chip Inductors (Ferrite / Molding Type) / **Large Current Type**

| Codes | Inductance (μH) | Tolerance | Q ref. | Test Freq. (MHz) | SRF (MHz) min. | DCR (Ω) ±30%. | IDC (mA) max. |
|-------|-----------------|-----------|--------|------------------|----------------|---------------|---------------|
| 1R0 | 1.0 | ±20% | 20 | 7.96 | 200 | 0.34 | 475 |
| 1R5 | 1.5 | ±20% | 20 | 7.96 | 165 | 0.42 | 435 |
| 2R2 | 2.2 | ±20% | 20 | 7.96 | 95 | 0.50 | 390 |
| 3R3 | 3.3 | ±20% | 20 | 7.96 | 55 | 0.65 | 340 |
| 4R7 | 4.7 | ±20% | 20 | 7.96 | 43 | 0.80 | 285 |
| 6R8 | 6.8 | ±20% | 20 | 7.96 | 39 | 1.00 | 275 |
| 100 | 10 | ±10% | 30 | 2.52 | 32 | 1.69 | 210 |
| 150 | 15 | ±10% | 30 | 2.52 | 21 | 2.20 | 175 |
| 220 | 22 | ±10% | 30 | 2.52 | 18 | 2.80 | 160 |
| 330 | 33 | ±10% | 30 | 2.52 | 16 | 4.20 | 120 |

■ Operating Temperature Range: -40~+85°C

NLV10 Wire Wound Chip Inductors (Ferrite / Molding Type) / **Large Current Type**

| Codes | Inductance (μH) | Tolerance | Q ref. | Test Freq. (MHz) | SRF (MHz) min. | DCR (Ω) ±30%. | IDC (mA) max. |
|-------|-----------------|-----------|--------|------------------|----------------|---------------|---------------|
| 1R0 | 1.0 | ±20% | 10 | 7.96 | 100 | 0.06 | 1000 |
| 1R5 | 1.5 | ±20% | 10 | 7.96 | 80 | 0.11 | 830 |
| 2R2 | 2.2 | ±20% | 10 | 7.96 | 68 | 0.13 | 770 |
| 3R3 | 3.3 | ±20% | 10 | 7.96 | 54 | 0.16 | 690 |
| 4R7 | 4.7 | ±20% | 15 | 7.96 | 46 | 0.20 | 620 |
| 6R8 | 6.8 | ±20% | 15 | 7.96 | 38 | 0.27 | 530 |
| 100 | 10 | ±10% | 15 | 2.52 | 30 | 0.36 | 450 |
| 150 | 15 | ±10% | 15 | 2.52 | 26 | 0.56 | 370 |
| 220 | 22 | ±10% | 15 | 2.52 | 21 | 0.77 | 300 |
| 330 | 33 | ±10% | 15 | 2.52 | 17 | 1.10 | 240 |
| 470 | 47 | ±10% | 15 | 2.52 | 14 | 1.64 | 180 |
| 680 | 68 | ±10% | 15 | 2.52 | 12 | 2.80 | 140 |
| 101 | 100 | ±10% | 15 | 0.796 | 10 | 3.70 | 120 |
| 151 | 150 | ±10% | 20 | 0.796 | 8 | 6.10 | 100 |
| 221 | 220 | ±10% | 20 | 0.796 | 7 | 8.40 | 80 |
| 331 | 330 | ±10% | 20 | 0.796 | 6 | 12.30 | 70 |

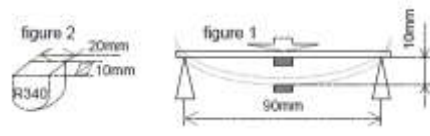
■ Operating Temperature Range: -40~+105°C

Environmental Characteristics

Electrical Performance Test

| Item | Requirement | Test Method |
|-------------------|---|--|
| Inductance | Refer to standard electrical characteristic spec. | HP4291 |
| Q | | HP4291 |
| SRF | | HP4291 |
| DC Resistance DCR | | Agilent 34401A |
| Rated Current IDC | | Applied the current to coils, The inductance change should be less than 10% to initial value |

Mechanical Performance Test

| Item | Requirement | Test Method |
|---------------------------------|--|---|
| Solderability | The electrodes shall be at least 90% covered with new solder coating | Lead-free inductor: after fluxing(alpha 100 or equiv), inductor shall be dipped in a melted solder bath at 230±5°C, 5±0.5 seconds |
| Resistance to Soldering Heat | Appearance: No mechanical damage L change: within±5% | Pre-heating: 150°C, 1min. Solder Temperature: 260±5°C Immersion Time: 10±1 seconds |
| Vibration | Appearance: No mechanical damage L change: within±3% | The sample shall be soldered onto the PCB, then the vibration having the frequency of 10 to 55Hz/min. and amplitude of 1.52mm Should be applied |
| Lead Tensile Strength | There should be no abnormality | A tensile rod of 4.9N is applied horizontally to both leads of the sample |
| Flexibility | | The sample shall be soldered onto PCB as shown in figure 1 and a load applied until the flexure in the arrow direction is made almost 10mm (figure 2 it used). Then it should be returned to its Original position. Then this operation should be repeated 5 times  |
| Drop | Appearance: No mechanical damage L change: within±3% | The sample shall be dropped once naturally onto a concrete floor from a height of 1 meter |
| Insulation Resistance | More than 1X10 ⁸ Ω | DC 250V voltage shall be applied for 30 seconds across the band and the leads |
| Dielectric Withstanding Voltage | There should be no abnormality | AC 100V voltage shall be applied for 1 minute across the body and the leads |

Climatic Test

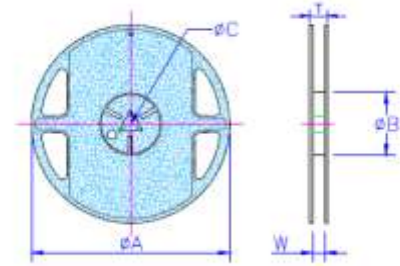
| Item | Requirement | Test Method |
|--------------------------|---|--|
| Temperature Cycle | Appearance: No mechanical damage L change: within±5% | For NLV08/NLV10/NLV10C Series : The sample should be soldered onto the PCB, then it shall be left into 100 cycles of temperature cycling for -40°C~105°C,30 minutes each as For NLV08C Series: The sample should be soldered onto the PCB, then it shall be left into 100 cycles of temperature cycling for -40°C~85°C,30 minutes each as Measured after exposure in the room condition for 24 hrs |
| Moisture Storage | Appearance: No mechanical damage L change: within±5% Q change: within±30% | Temperature: 60±2°C Relative Humidity: 90 ~ 95% Time: 1000 hrs Measured after exposure in the room condition for 24 hrs |
| High Temperature Storage | Appearance: No mechanical damage L change: within±5% Q change: within±30% | For NLV08/NLV10/NLV10C Series : Temperature: 105±2°C, Time: 1000 hrs For NLV08C Series: Temperature: 85±2°C, Time: 1000 hrs Measured after exposure in the room condition for 24 hrs |
| Low Temperature Storage | Appearance: No mechanical damage L change: within±5% Q change: within±20% | Temperature: -40±2°C Time: 1000 hrs Measured after exposure in the room condition for 24 hrs |

Storage Temperature: 25±3°C; Humidity < 80%RH

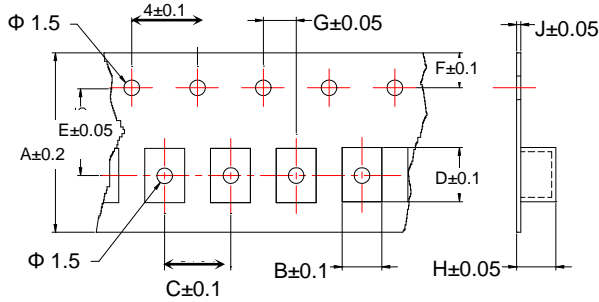
■ Packaging

Packaging Quantity & Reel Specifications

| Type | ΦA | ΦB | ΦC | W | T | Quantity (EA) |
|-------|---------|--------|--------|-------|--------|---------------|
| NLV08 | 178±2.0 | 60±0.5 | 13±0.3 | 9±0.3 | 12±1.0 | 2000 |
| NLV10 | 178±2.0 | 60±0.5 | 13±0.3 | 9±0.3 | 12±1.0 | 2000 |



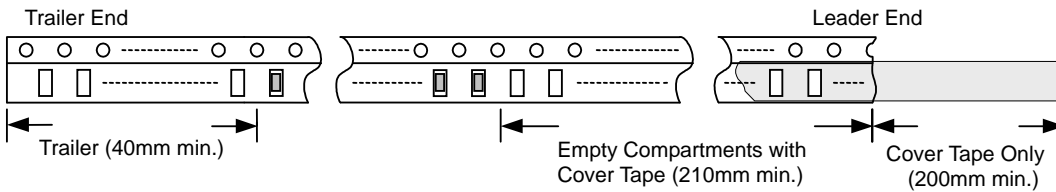
Embossed Plastic Tape Specifications



Unit: mm

| Type | A | B | C | D | E | F | G | H | J |
|-------|---|-----|-----|-----|-----|------|-----|-----|-----|
| NLV08 | 8 | 2.3 | 4.0 | 2.7 | 3.5 | 1.75 | 2.0 | 2.0 | 0.4 |
| NLV10 | 8 | 2.8 | 4.0 | 3.5 | 3.5 | 1.75 | 2.0 | 2.3 | 0.4 |

Leader / Trailer Tape

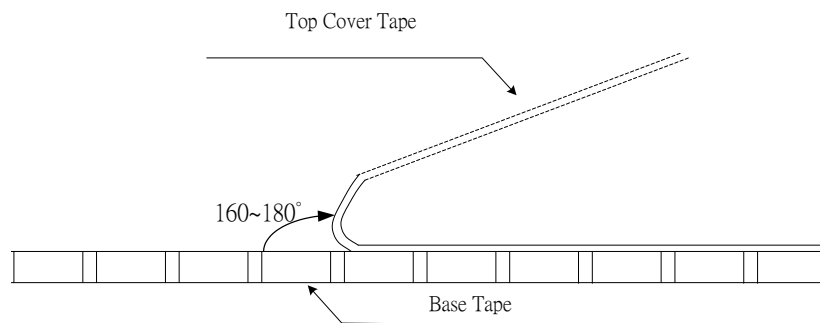


Cover Tape Peel Strength

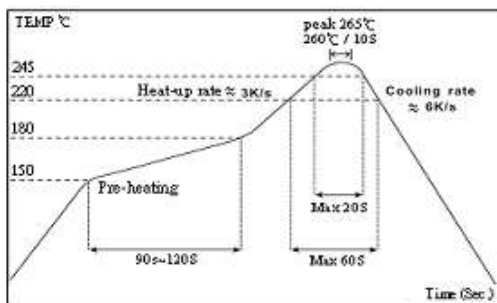
The force for tearing off cover tape is 0.1~0.7 (N) in the arrow direction at the following conditions:

Temperature: 5~35°C

Humidity: 45~85%



■ Soldering Conditions



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Ferrite Beads](#) category:

Click to view products by [Viking](#) manufacturer:

Other Similar products are found below :

[2943778301](#) [BMB1J0120BN3JIT](#) [82350120560](#) [0261014605](#) [2643066902](#) [3061000011](#) [2673045901](#) [2643083601](#) [2643074901](#) [4361142521](#)
[4078078621](#) [4078044821](#) [4078033621](#) [CZB2BFTTE121P](#) [BMB2A0120AN2](#) [BMB1J0200BN3JIT](#) [EMI0805R-220](#) [74279250](#) [7427924](#)
[CZB1JGTTD202P](#) [MAF0603GWY551AT000](#) [MAF1005GWZ102AT000](#) [BLM18HE152SH1D](#) [2944778302](#) [BLM02PX600SN1D](#) [SMB2.5-1](#)
[EMI1206R-600](#) [BLM02KX180SN1D](#) [BLM02BC100SN1D](#) [BLM02KX100SN1D](#) [BLM02BB101SN1D](#) [BLM02BC220SN1D](#)
[BLE32PN260SH1L](#) [BLE32PN260SN1L](#) [BLE32PN260SZ1L](#) [74275013](#) [7427503](#) [BLM18HE601SH1D](#) [BLM15BD152SN1D](#)
[BLM15BD152SZ1D](#) [BLE18PS080SZ1D](#) [BLM21PG221BH1D](#) [WLBD1005HCU330TL](#) [BLM21AG471BH1D](#) [BLE18PS080BH1D](#)
[BLM21AG331BH1D](#) [BLM21PG300BH1D](#) [BLM21PG600BH1D](#) [BLM03HB401SZ1D](#) [BLM03HB401SN1D](#)