# LTF0603GT15N Datasheet

| | |
|---|---|
| DiGi Electronics Part Number | LTF0603GT15N-DG |
| Manufacturer | Stackpole Electronics Inc |
| Manufacturer Product Number | LTF0603GT15N |
| Description | 0603, 2%, 15N Inductance (nH) |
| Detailed Description | Inductor |

https://www.DiGi-Electronics.com

Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

## Purchase and inquiry

| Manufacturer Product Number: | Manufacturer: |
| --- | --- |
| LTF0603GT15N | Stackpole Electronics Inc |
| **Series:** | **Product Status:** |
| - | Active |

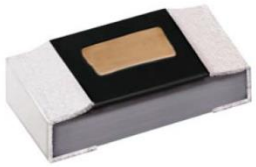
## Environmental & Export classification

| ECCN: | HTSUS: |
| --- | --- |
| EAR99 | 8504.50.8000 |

# LTF Series
Thin Film Chip Inductor

Stackpole Electronics, Inc.
Resistive Product Solutions

## Features:



- Exceptional Q values for small package sizes
- SRF controlled within 10%
- Stable inductance in high frequency circuits
- Highly stable design for critical requirements
- Tight tolerances down to 1% or ± 0.1nH
- 100% RoHS compliant and lead free without exemption
- Halogen free
- REACH compliant
- Contact Stackpole for additional inductance values

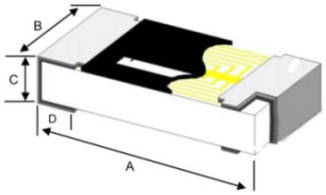
## Applications:

- Wearable devices
- Wireless LANs
- Cable/Satellite receivers
- Security systems
- Smart meters
- Connected appliances
- Various IoT devices

## Inductance and Current Ranges

| Type / Code | Inductance (nH) | Current Range (mA) |
|---|---|---|
| LTF0201 | 0.1 ~ 10 | 400 ~ 80 |
| LTF0402 | 0.2 ~ 33 | 800 ~ 75 |

## Mechanical Specifications




| Type / Code | Weight (g) (1000 pc.) | A | B | C | D | Unit |
|---|---|---|---|---|---|---|
| LTF0201 | 0.23 | 0.024 ± 0.002<br>0.60 ± 0.05 | 0.012 ± 0.002<br>0.30 ± 0.05 | 0.009 ± 0.002<br>0.23 ± 0.05 | 0.006 ± 0.002<br>0.15 ± 0.05 | inches<br>mm |
| LTF0402 | 0.9 | 0.039 ± 0.002<br>1.00 ± 0.05 | 0.020 ± 0.002<br>0.50 ± 0.05 | 0.013 ± 0.002<br>0.32 ± 0.05 | 0.008 ± 0.004<br>0.20 ± 0.10 | inches<br>mm |

## Performance Characteristics

| Test | Test Specification | Test Condition |
|---|---|---|
| Inductance | as specified | Measuring equipment and fixture:<br>0201: HP4287 + Agilent 16196C<br>0402: HP4287 + Agilent 16196B |
| Insulation Resistance | > 1000 Mohm | MIL-STD-202 Method 302<br>Apply 100 $V_{DC}$ for 1 minute |
| Damp Heat with Load | Δ L ≤ 10% | MIL-STD-202 Method 103B<br>40 ± 2ºC, 90 ~ 95% R.H. Max working voltage for 1000 hours with 1.5 hours "ON" and 0.5 hour "OFF" |
| Bending Strength | as specified | JIS-C-5201-1 6.1.4<br>Bending amplitude 3 mm for 10 seconds |
| Solderability | 95% min. coverage | MIL-STD-202 Method 208H<br>245 ± 5ºC for 3 seconds |
| Resistance to Soldering Heat | Δ L ≤ 10% | MIL-STD-202 Method 210E<br>260 ± 5ºC for 10 seconds |

# LTF Series
Thin Film Chip Inductor

Stackpole Electronics, Inc.
Resistive Product Solutions

| Performance Characteristics (cont.) | | |
|---|---|---|
| Test | Test Specification | Test Condition |
| Dielectric Withstand Voltage | > 100V | MIL-STD-202 Method 301<br>Apply 100 VA (rms) for 1 minute |
| High Temperature Exposure | Δ L ≤ 10% | JIS-C-5201-1 7.2<br>85 ± 2ºC, 1000 +48 / -0 hours |
| Low Temperature Storage | Δ L ≤ 10% | JIS-C-5201-1 7.1<br>-40 ± 3ºC, 1000 +48 / -0 hours |
| Temperature Cycle | Δ L ≤ 10% | JIS-C-5201-1 7.4<br>-40 / RT / 85 / RT, 10 cycles |

Storage Temperature: 15 ~ 28°C; Humidity < 80%RH

| Electrical Specifications – LTF0201 | | | | | | |
|---|---|---|---|---|---|---|
| Part Number | Inductance (nH) | Inductance Tolerance (nH or %) | Quality Factor (MHz) min. | SRF (GHz) min. | DCR (Ω) max. | IDC (mA) max. |
| LTF0201 _ T0N1 | 0.1 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 9 | 0.2 | 400 |
| LTF0201 _ T0N2 | 0.2 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 9 | 0.2 | 400 |
| LTF0201 _ T0N3 | 0.3 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 9 | 0.2 | 400 |
| LTF0201 _ T0N4 | 0.4 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 9 | 0.25 | 350 |
| LTF0201 _ T0N5 | 0.5 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 9 | 0.25 | 350 |
| LTF0201 _ T0N6 | 0.6 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 9 | 0.25 | 350 |
| LTF0201 _ T0N7 | 0.7 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 9 | 0.3 | 300 |
| LTF0201 _ T0N8 | 0.8 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 9 | 0.3 | 300 |
| LTF0201 _ T0N9 | 0.9 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 9 | 0.3 | 300 |
| LTF0201 _ T1N0 | 1 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 9 | 0.3 | 300 |
| LTF0201 _ T1N1 | 1.1 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 9 | 0.35 | 300 |
| LTF0201 _ T1N2 | 1.2 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 9 | 0.35 | 300 |
| LTF0201 _ T1N3 | 1.3 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 9 | 0.45 | 250 |
| LTF0201 _ T1N4 | 1.4 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 9 | 0.45 | 250 |
| LTF0201 _ T1N5 | 1.5 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 9 | 0.45 | 250 |
| LTF0201 _ T1N6 | 1.6 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 9 | 0.55 | 200 |
| LTF0201 _ T1N7 | 1.7 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 9 | 0.55 | 200 |
| LTF0201 _ T1N8 | 1.8 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 9 | 0.55 | 200 |
| LTF0201 _ T1N9 | 1.9 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 9 | 0.55 | 200 |
| LTF0201 _ T2N0 | 2 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 8 | 0.7 | 200 |
| LTF0201 _ T2N1 | 2.1 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 8 | 0.7 | 200 |
| LTF0201 _ T2N2 | 2.2 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 8 | 0.7 | 200 |
| LTF0201 _ T2N3 | 2.3 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 8 | 0.8 | 150 |
| LTF0201 _ T2N4 | 2.4 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 8 | 0.8 | 150 |
| LTF0201 _ T2N5 | 2.5 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 8 | 0.8 | 150 |
| LTF0201 _ T2N6 | 2.6 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 8 | 0.8 | 150 |
| LTF0201 _ T2N7 | 2.7 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 8 | 0.8 | 150 |
| LTF0201 _ T2N8 | 2.8 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 6 | 1 | 150 |
| LTF0201 _ T2N9 | 2.9 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 6 | 1 | 150 |
| LTF0201 _ T3N0 | 3 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 6 | 1 | 150 |
| LTF0201 _ T3N1 | 3.1 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 6 | 1 | 150 |
| LTF0201 _ T3N2 | 3.2 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 6 | 1 | 150 |
| LTF0201 _ T3N3 | 3.3 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 6 | 1 | 150 |
| LTF0201 _ T3N4 | 3.4 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 6 | 1.2 | 150 |
| LTF0201 _ T3N5 | 3.5 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 6 | 1.2 | 150 |
| LTF0201 _ T3N6 | 3.6 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 6 | 1.2 | 150 |
| LTF0201 _ T3N7 | 3.7 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 6 | 1.2 | 150 |
| LTF0201 _ T3N8 | 3.8 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 6 | 1.2 | 150 |
| LTF0201 _ T3N9 | 3.9 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 6 | 1.2 | 150 |
| LTF0201 _ T4N0 | 4 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 6 | 1.2 | 150 |
| LTF0201 _ T4N4 | 4.4 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 6 | 1.3 | 140 |
| LTF0201 _ T4N7 | 4.7 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 6 | 1.4 | 130 |
| LTF0201 _ T4N9 | 4.9 | ±0.1, 0.2, 0.3 nH | 8 / 500 | 6 | 1.6 | 130 |

## Electrical Specifications – LTF0201 (cont.)

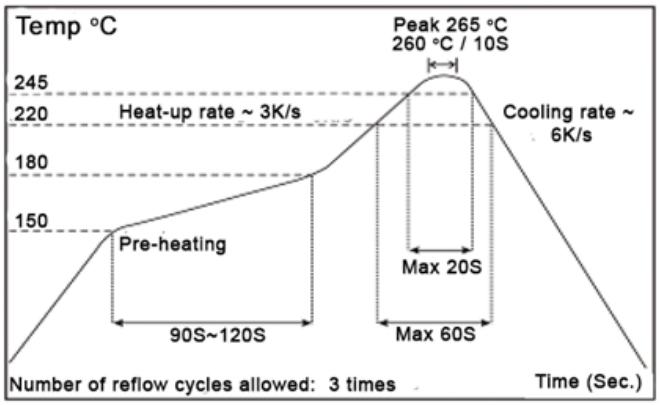
| Part Number | Inductance (nH) | Inductance Tolerance (nH or %) | Quality Factor (MHz) min. | SRF (GHz) min. | DCR (Ω) max. | IDC (mA) max. |
|---|---|---|---|---|---|---|
| LTF0201 _ T5N6 | 5.6 | ±2, ±5% | 8 / 500 | 4 | 1.8 | 130 |
| LTF0201 _ T6N1 | 6.1 | ±2, ±5% | 8 / 500 | 4 | 2 | 120 |
| LTF0201 _ T6N8 | 6.8 | ±2, ±5% | 8 / 500 | 4 | 2.3 | 110 |
| LTF0201 _ T7N4 | 7.4 | ±2, ±5% | 8 / 500 | 4 | 2.8 | 110 |
| LTF0201 _ T8N2 | 8.2 | ±2, ±5% | 8 / 500 | 3 | 3 | 110 |
| LTF0201 _ T9N1 | 9.1 | ±2, ±5% | 8 / 500 | 3 | 3.25 | 100 |
| LTF0201 _ T9N2 | 9.2 | ±2, ±5% | 8 / 500 | 3 | 3.25 | 100 |
| LTF0201 _ T10N | 10 | ±2, ±5% | 8 / 500 | 2 | 3.5 | 80 |

## Electrical Specifications - LTF0402

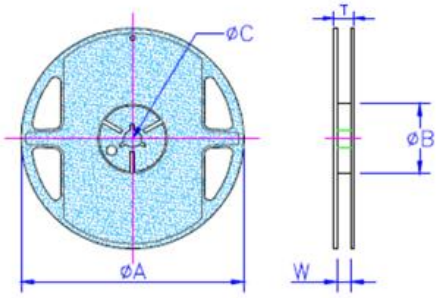
| Part Number | Inductance (nH) | Inductance Tolerance (nH or %) | Quality Factor (MHz) min. | SRF (GHz) min. | DCR (Ω) max. | IDC (mA) max. |
|---|---|---|---|---|---|---|
| LTF0402 _ T0N2 | 0.2 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 14 | 0.10 | 800 |
| LTF0402 _ T0N3 | 0.3 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 14 | 0.10 | 800 |
| LTF0402 _ T0N4 | 0.4 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 14 | 0.10 | 800 |
| LTF0402 _ T0N5 | 0.5 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 14 | 0.15 | 700 |
| LTF0402 _ T0N6 | 0.6 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 14 | 0.15 | 700 |
| LTF0402 _ T0N8 | 0.8 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 14 | 0.15 | 700 |
| LTF0402 _ T0N9 | 0.9 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 14 | 0.15 | 700 |
| LTF0402 _ T1N0 | 1.0 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 12 | 0.15 | 700 |
| LTF0402 _ T1N1 | 1.1 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 12 | 0.15 | 700 |
| LTF0402 _ T1N2 | 1.2 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 12 | 0.15 | 700 |
| LTF0402 _ T1N3 | 1.3 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 10 | 0.25 | 700 |
| LTF0402 _ T1N4 | 1.4 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 10 | 0.25 | 700 |
| LTF0402 _ T1N5 | 1.5 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 10 | 0.25 | 700 |
| LTF0402 _ T1N6 | 1.6 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 10 | 0.25 | 560 |
| LTF0402 _ T1N7 | 1.7 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 10 | 0.25 | 560 |
| LTF0402 _ T1N8 | 1.8 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 10 | 0.25 | 560 |
| LTF0402 _ T1N9 | 1.9 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 8 | 0.35 | 560 |
| LTF0402 _ T2N0 | 2.0 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 8 | 0.35 | 560 |
| LTF0402 _ T2N1 | 2.1 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 8 | 0.35 | 440 |
| LTF0402 _ T2N2 | 2.2 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 8 | 0.35 | 440 |
| LTF0402 _ T2N3 | 2.3 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 8 | 0.35 | 440 |
| LTF0402 _ T2N4 | 2.4 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 8 | 0.35 | 440 |
| LTF0402 _ T2N5 | 2.5 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 8 | 0.35 | 440 |
| LTF0402 _ T2N6 | 2.6 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 8 | 0.35 | 440 |
| LTF0402 _ T2N7 | 2.7 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 8 | 0.35 | 440 |
| LTF0402 _ T2N8 | 2.8 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 6 | 0.45 | 380 |
| LTF0402 _ T2N9 | 2.9 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 6 | 0.45 | 380 |
| LTF0402 _ T3N0 | 3.0 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 6 | 0.45 | 380 |
| LTF0402 _ T3N1 | 3.1 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 6 | 0.45 | 380 |
| LTF0402 _ T3N2 | 3.2 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 6 | 0.45 | 380 |
| LTF0402 _ T3N3 | 3.3 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 6 | 0.45 | 380 |
| LTF0402 _ T3N4 | 3.4 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 6 | 0.55 | 380 |
| LTF0402 _ T3N5 | 3.5 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 6 | 0.55 | 380 |
| LTF0402 _ T3N6 | 3.6 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 6 | 0.55 | 380 |
| LTF0402 _ T3N7 | 3.7 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 6 | 0.55 | 340 |
| LTF0402 _ T3N8 | 3.8 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 6 | 0.55 | 340 |
| LTF0402 _ T3N9 | 3.9 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 6 | 0.55 | 340 |
| LTF0402 _ T4N3 | 4.3 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 6 | 0.65 | 320 |
| LTF0402 _ T4N7 | 4.7 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 6 | 0.65 | 320 |
| LTF0402 _ T5N4 | 5.4 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 6 | 0.85 | 280 |
| LTF0402 _ T5N6 | 5.6 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 6 | 0.85 | 280 |
| LTF0402 _ T5N9 | 5.9 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 6 | 0.85 | 280 |
| LTF0402 _ T6N5 | 6.5 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 6 | 1.05 | 260 |
| LTF0402 _ T6N8 | 6.8 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 6 | 1.05 | 260 |

| Electrical Specifications - LTF0402 (cont.) | | | | | | |
|---|---|---|---|---|---|---|
| Part Number | Inductance (nH) | Inductance Tolerance (nH or %) | Quality Factor (MHz) min. | SRF (GHz) min. | DCR (Ω) max. | IDC (mA) max. |
| LTF0402 _ T7N2 | 7.2 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 6 | 1.05 | 260 |
| LTF0402 _ T8N0 | 8.0 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 5.5 | 1.25 | 220 |
| LTF0402 _ T8N1 | 8.1 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 5.5 | 1.25 | 220 |
| LTF0402 _ T8N2 | 8.2 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 5.5 | 1.25 | 220 |
| LTF0402 _ T9N1 | 9.1 | ±0.1, 0.2, 0.3 nH | 13 / 500 | 5.5 | 1.25 | 220 |
| LTF0402 _ T10N | 10.0 | ±1, 2, 3, 5% | 13 / 500 | 4.5 | 1.35 | 200 |
| LTF0402 _ T10N8 | 10.8 | ±1, 2, 3, 5% | 13 / 500 | 4.5 | 1.35 | 200 |
| LTF0402 _ T12N | 12.0 | ±1, 2, 3, 5% | 13 / 500 | 3.7 | 1.55 | 180 |
| LTF0402 _ T13N8 | 13.8 | ±1, 2, 3, 5% | 13 / 500 | 3.7 | 1.75 | 180 |
| LTF0402 _ T15N | 15.0 | ±1, 2, 3, 5% | 13 / 500 | 3.3 | 1.75 | 130 |
| LTF0402 _ T17N | 17.0 | ±1, 2, 3, 5% | 13 / 500 | 3.1 | 1.95 | 100 |
| LTF0402 _ T18N | 18.0 | ±1, 2, 3, 5% | 13 / 500 | 3.1 | 2.15 | 100 |
| LTF0402 _ T20N8 | 20.8 | ±1, 2, 3, 5% | 13 / 500 | 2.8 | 2.55 | 90 |
| LTF0402 _ T22N | 22.0 | ±1, 2, 3, 5% | 13 / 500 | 2.8 | 2.65 | 90 |
| LTF0402 _ T27N | 27.0 | ±1, 2, 3, 5% | 13 / 500 | 2.5 | 3.25 | 75 |
| LTF0402 _ T33N | 33.0 | ±5% | 13 / 500 | 2.5 | 4.50 | 75 |

Reflow Chart:

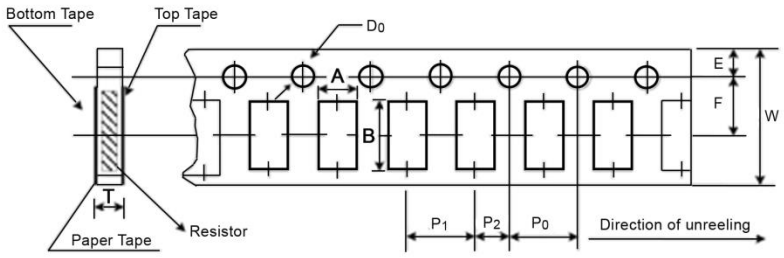



## Packaging Specifications



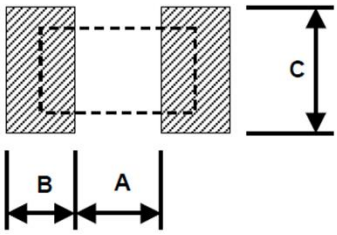

| Type / Code | A | B | C | W | T | Unit |
|---|---|---|---|---|---|---|
| All Sizes | 7.008 ± 0.039<br>178.00 ± 1.00 | 2.362 ± 0.039<br>60.00 ± 1.00 | 0.531 ± 0.028<br>13.50 ± 0.70 | 0.374 ± 0.039<br>9.50 ± 1.00 | 0.453 ± 0.039<br>11.50 ± 1.00 | inches<br>mm |

## Paper Tape Specifications




| Type / Code | A | B | W | E | F | Unit |
|---|---|---|---|---|---|---|
| LTF0201 | 0.016 ± 0.002<br>0.40 ± 0.05 | 0.028 ± 0.002<br>0.70 ± 0.05 | 0.315 ± 0.004<br>8.00 ± 0.10 | 0.069 ± 0.002<br>1.75 ± 0.05 | 0.138 ± 0.002<br>3.50 ± 0.05 | inches<br>mm |
| LTF0402 | 0.028 ± 0.002<br>0.70 ± 0.05 | 0.046 ± 0.002<br>1.16 ± 0.05 | 0.315 ± 0.004<br>8.00 ± 0.10 | 0.069 ± 0.002<br>1.75 ± 0.05 | 0.138 ± 0.002<br>3.50 ± 0.05 | inches<br>mm |
| Type / Code | P0 | P1 | P2 | D0 | T | Unit |
| LTF0201 | 0.157 ± 0.004<br>4.00 ± 0.10 | 0.079 ± 0.002<br>2.00 ± 0.05 | 0.079 ± 0.002<br>2.00 ± 0.05 | 0.061 ± 0.002<br>1.55 ± 0.05 | 0.017 ± 0.001<br>0.42 ± 0.02 | inches<br>mm |
| LTF0402 | 0.157 ± 0.004<br>4.00 ± 0.10 | 0.079 ± 0.002<br>2.00 ± 0.05 | 0.079 ± 0.002<br>2.00 ± 0.05 | 0.061 ± 0.002<br>1.55 ± 0.05 | 0.016 ± 0.001<br>0.40 ± 0.03 | inches<br>mm |

## Solder Land Pattern Specifications




| Type / Code | A | B | C | Unit |
|---|---|---|---|---|
| LTF0201 | 0.012<br>0.30 | 0.010<br>0.25 | 0.012 ± 0.008<br>0.30 ± 0.20 | inches<br>mm |
| LTF0402 | 0.020<br>0.50 | 0.018<br>0.45 | 0.024 ± 0.008<br>0.60 ± 0.20 | inches<br>mm |

## RoHS Compliance

Stackpole Electronics has joined the worldwide effort to reduce the amount of lead in electronic components and to meet the various regulatory requirements now prevalent, such as the European Union's directive regarding "Restrictions on Hazardous Substances" (RoHS 3). As part of this ongoing program, we periodically update this document with the status regarding the availability of our compliant components. All our standard part numbers are compliant to EU Directive 2011/65/EU of the European Parliament as amended by Directive (EU) 2015/863/EU as regards the list of restricted substances.

## RoHS Compliance Status

| Standard Product Series | Description | Package / Termination Type | Standard Series RoHS Compliant | Lead-Free Termination Composition | Lead-Free Mfg. Effective Date (Std Product Series) | Lead-Free Effective Date Code (YY/WW) |
|---|---|---|---|---|---|---|
| LTF | Thin Film Surface Mount Chip Inductor | SMD | YES | 100% Matte Sn over Ni | May-04 | 04/18 |

## "Conflict Metals" Commitment

We at Stackpole Electronics, Inc. are joined with our industry in opposing the use of metals mined in the "conflict region" of the eastern Democratic Republic of the Congo (DRC) in our products. Recognizing that the supply chain for metals used in the electronics industry is very complex, we work closely with our own suppliers to verify to the extent possible that the materials and products we supply do not contain metals sourced from this conflict region. As such, we are in compliance with the requirements of Dodd-Frank Act regarding Conflict Minerals.

## Compliance to "REACH"

We certify that all passive components supplied by Stackpole Electronics, Inc. are SVHC (Substances of Very High Concern) free and compliant with the requirements of EU Directive 1907/2006/EC, "The Registration, Evaluation, Authorization and Restriction of Chemicals", otherwise referred to as REACH. Contact us for complete list of REACH Substance Candidate List.

## Environmental Policy

It is the policy of Stackpole Electronics, Inc. (SEI) to protect the environment in all localities in which we operate. We continually strive to improve our effect on the environment. We observe all applicable laws and regulations regarding the protection of our environment and all requests related to the environment to which we have agreed. We are committed to the prevention of all forms of pollution.

## How to Order

| L | T | F | 0 | 2 | 0 | 1 | G | T | 1 | 0 | N |
|---|---|---|---|---|---|---|---|---|---|---|---|

| Product Series | |
|---|---|
| LTF | Thin Film Chip Inductor |

| Size |
|---|
| 0201 |
| 0402 |

| Tolerance | |
|---|---|
| Code | Tol |
| B | ±0.1nH |
| C | ±0.2nH |
| S | ±0.3nH |
| F | ±1% |
| G | ±2% |
| H | ±3% |
| J | ±5% |

| Packaging | | | |
|---|---|---|---|
| Code | Description | Sizes | Quantity |
| T | Tape & Reel | All | 10000 |

| Inductance | |
|---|---|
| Code | nH |
| 1N0 | 1nH |
| 10N | 10nH |
| 20N8 | 20.8nH |

## Legacy Part Number:

| A | L | 0 | 2 | G | T | 1 | 0 | N |
|---|---|---|---|---|---|---|---|---|

| Product Series | |
|---|---|
| AL | Thin Film Chip Inductor |

| Code | Size |
|---|---|
| 01 | 0201 |
| 02 | 0402 |

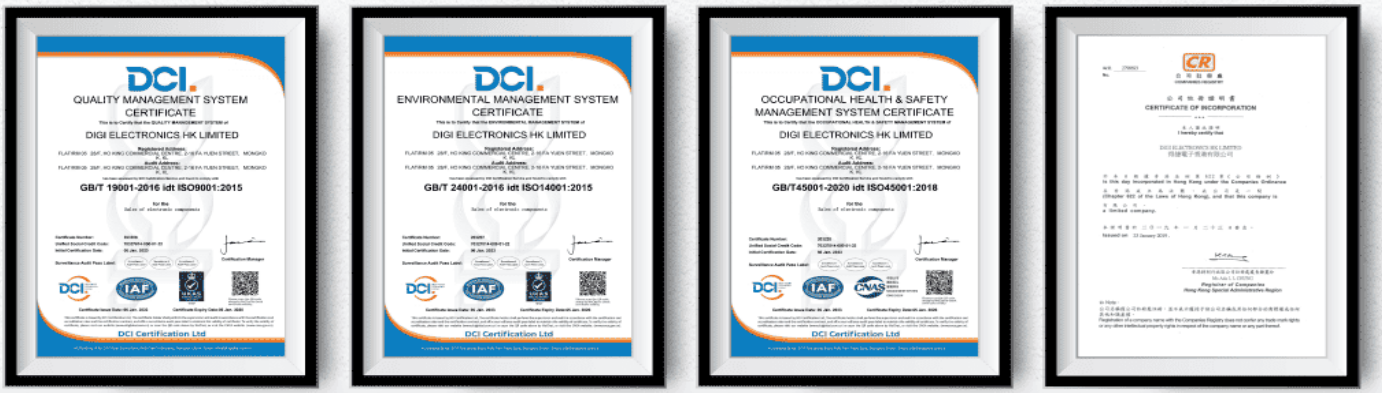
| Tolerance | |
|---|---|
| Code | Tol |
| B | ±0.1nH |
| C | ±0.2nH |
| S | ±0.3nH |
| F | ±1% |
| G | ±2% |
| H | ±3% |
| J | ±5% |

| Packaging | | | |
|---|---|---|---|
| Code | Description | Sizes | Quantity |
| T | Tape & Reel | All | 10,000 |

| Inductance | |
|---|---|
| Code | nH |
| 1N0 | 1nH |
| 10N | 10nH |
| 20N8 | 20.8nH |

# OUR CERTIFICATE

DiGi provide top-quality products and perfect service for customer worldwide through standardization, technological innovation and continuous improvement.  DiGi through third-party certification, we striciy control the quality of products and services. Welcome your RFQ to Email: Info@DiGi-Electronics.com





Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.