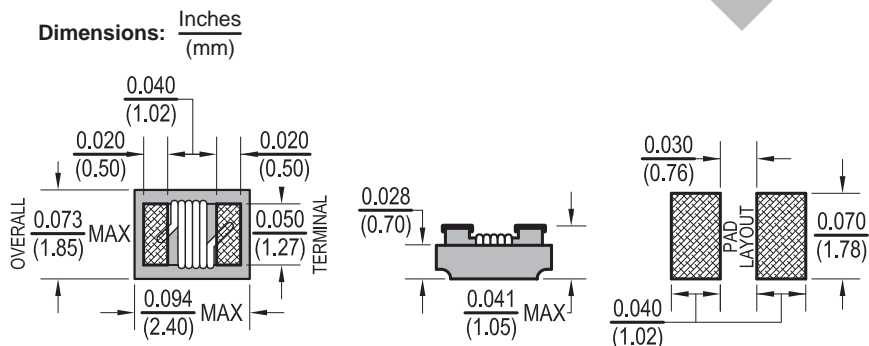
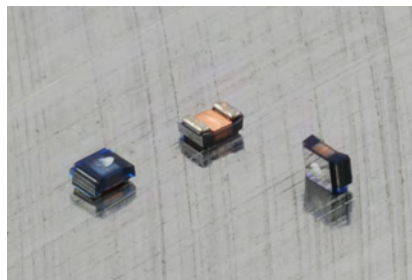


LT05 Ferrite Core Chip Inductors Low Profile



| Allied Part Number | Inductance (μh) | Tolerance (%) | Q Min. | L/Q Test Freq. (MHz) | SRF Min. (MHz) | DCR Max. (Ω) | IDC (mA) |
|--------------------|------------------------------|---------------|--------|----------------------|----------------|-----------------------|----------|
| LT05-R12K-RC | .12 | 10 | 22 | 25.2 | 1500 | 0.33 | 1200 |
| LT05-R15K-RC | .15 | 10 | 22 | 25.2 | 1100 | 0.33 | 1200 |
| LT05-R18K-RC | .18 | 10 | 22 | 25.2 | 1100 | 0.36 | 1100 |
| LT05-R22K-RC | .22 | 10 | 22 | 25.2 | 1100 | 0.39 | 1100 |
| LT05-R27K-RC | .27 | 10 | 22 | 25.2 | 950 | 0.43 | 1050 |
| LT05-R33K-RC | .33 | 10 | 22 | 25.2 | 650 | 0.46 | 900 |
| LT05-R39K-RC | .39 | 10 | 22 | 25.2 | 640 | 0.48 | 850 |
| LT05-R47K-RC | .47 | 10 | 22 | 25.2 | 570 | 0.65 | 800 |
| LT05-R56K-RC | .56 | 10 | 22 | 25.2 | 540 | 0.67 | 770 |
| LT05-R68K-RC | .68 | 10 | 22 | 25.2 | 500 | 0.73 | 750 |
| LT05-R82K-RC | .82 | 10 | 22 | 25.2 | 480 | 0.85 | 730 |
| LT05-1R0K-RC | 1.0 | 10 | 15 | 7.96 | 470 | 0.87 | 720 |
| LT05-1R2K-RC | 1.2 | 10 | 15 | 7.96 | 450 | 0.97 | 690 |
| LT05-1R5K-RC | 1.5 | 10 | 15 | 7.96 | 400 | 1.10 | 670 |
| LT05-1R8K-RC | 1.8 | 10 | 15 | 7.96 | 340 | 1.15 | 650 |
| LT05-2R2K-RC | 2.2 | 10 | 15 | 7.96 | 265 | 1.28 | 630 |
| LT05-2R7K-RC | 2.7 | 10 | 15 | 7.96 | 235 | 1.40 | 620 |
| LT05-3R3K-RC | 3.3 | 10 | 15 | 7.96 | 190 | 1.62 | 580 |
| LT05-3R9K-RC | 3.9 | 10 | 15 | 7.96 | 180 | 1.75 | 570 |
| LT05-4R7K-RC | 4.7 | 10 | 15 | 7.96 | 160 | 1.95 | 550 |
| LT05-5R6K-RC | 5.6 | 10 | 15 | 7.96 | 120 | 2.14 | 540 |
| LT05-6R8K-RC | 6.8 | 10 | 15 | 7.96 | 45 | 2.28 | 520 |
| LT05-8R2K-RC | 8.2 | 10 | 15 | 7.96 | 42 | 2.55 | 500 |
| LT05-100K-RC | 10 | 10 | 10 | 2.52 | 38 | 2.70 | 450 |
| LT05-120K-RC | 12 | 10 | 10 | 2.52 | 33 | 4.20 | 400 |
| LT05-150K-RC | 15 | 10 | 10 | 2.52 | 30 | 4.80 | 380 |
| LT05-180K-RC | 18 | 10 | 10 | 2.52 | 25 | 5.74 | 300 |
| LT05-220K-RC | 22 | 10 | 10 | 2.52 | 23 | 7.75 | 260 |
| LT05-270K-RC | 27 | 10 | 10 | 2.52 | 21 | 10.0 | 230 |
| LT05-330K-RC | 33 | 10 | 10 | 2.52 | 16 | 13.5 | 200 |
| LT05-390K-RC | 39 | 10 | 10 | 2.52 | 15 | 16.0 | 190 |

All specifications subject to change without notice.

Features

- Low Profile only 1.05mm Tall
- SMD wire wound Ferrite Core
- Exceptional Q values
- Wide inductance range

Electrical

Inductance Range: 0.12 μh ~ 39 μh

Tolerance: 10% over entire range also available in tighter tolerances

Operating Temp: -25°C ~ +85°C

IDC: Inductance drop 10% from its value without current.

L/Q: Test OSC @ 200mV

Resistance to Soldering Heat

Pre-Heat 150°C, 1 minute.

Solder Composition: Sn/Ag3.0/Cu0.5

Solder Temp: 245°C for \pm 1 sec.

Test Equipment

(L/Q): HP4286A/HP4287A/Agilent E4991A

(RDC): Chen Hwa 502BC

(IDC): HP4284A + HP42841A / HP4285A + HP42841A

(SRF): HP8753D / Agilent E4991

Physical

Packaging: 2000 pieces per 7 inch reel.

Marking: None