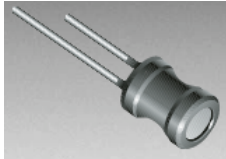


# MATERIAL DATA SHEET



Reliable Electronic Solutions

|              |                            |   |
|--------------|----------------------------|---|
| Material     | RLB1014 Series             |  |
| Product Line | Though-Hole Power Inductor |   |
| Date         | 21-December-2004           |   |
|              |                            |   |

| No. | Construction element | Material group        | Material weight (g) | Materials          | CAS if applicable | Average mass (%) | Sum (%) | Traces |
|-----|----------------------|-----------------------|---------------------|--------------------|-------------------|------------------|---------|--------|
| 1   | Core                 | Ferrite Ni-Zn Series  | 1.513               | Iron & Compounds   | N/A               | Remainder        | 100     |        |
|     |                      |                       |                     | Zinc & Compounds   | N/A               | 19               |         |        |
|     |                      |                       |                     | Nickel & Compounds | N/A               | 10               |         |        |
|     |                      |                       |                     | Copper & Compounds | N/A               | 4                |         |        |
| 2   | Lead Wire            | Tinned Copper Wire    | 0.134               | Cu                 | 7440-50-8         | 99               | 100     |        |
|     |                      |                       |                     | Sn                 | 7440-31-5         | 1                |         |        |
| 3   | Solder               | Bar Solder Sn100%     | 0.008               | Sn                 | 7440-31-5         | 99.97            | 100     |        |
| 4   | Tube                 | Sumitube-F32          | 0.150               | PE                 | N/A               | N/A              | 100     |        |
| 5   | Wire                 | Enamelled Copper Wire | 0.519               | Cu                 | 7440-50-8         | 90.08~99.00      | 100     |        |
|     |                      |                       |                     | Polyester Resin    | N/A               | 1~9.92           |         |        |
| 6   | Adhesive             | Epoxy                 | 0.012               | Epoxy              | N/A               | N/A              | 100     |        |
|     |                      | Total weight          | 2.336               |                    |                   |                  |         |        |