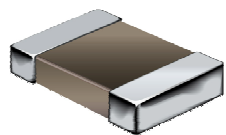


# MATERIAL DATA SHEET



|              |                               |                                                                                     |
|--------------|-------------------------------|-------------------------------------------------------------------------------------|
| Material     | MT2029 Series                 |  |
| Product Line | Multilayer Chip Bead/Inductor |                                                                                     |
| Date         | 04-December-2004              |                                                                                     |
|              |                               |                                                                                     |

| NO.          | Construction element | Material group        | Material Weight (g) | Materials    | CAS<br>If applicable | Average mass (%)         | Sum (%) | Traces |
|--------------|----------------------|-----------------------|---------------------|--------------|----------------------|--------------------------|---------|--------|
| 1            | Core                 | Ferrite               | 0.0085              | Fe2O3        | -----                | Business<br>Confidential | 100     |        |
|              |                      |                       |                     | Copper Oxide | -----                |                          |         |        |
|              |                      |                       |                     | Nickel Oxide | -----                |                          |         |        |
|              |                      |                       |                     | Zinc Oxide   | 01314-13-2           |                          |         |        |
|              |                      |                       |                     | Lead Oxide   | 1317-36-8            |                          |         |        |
| 2            | Pad                  | Terminal<br>Electrode | 0.0004              | Ag           | 7440-22-4            | 67                       | 100     |        |
|              |                      |                       |                     | Ni           | 7440-02-0            | 33                       |         |        |
| 3            | Solder plate         | Solder plate          | 0.0003              | Sn           | 7440-31-5            |                          | 100     |        |
| 4            | Circuit              | Silver                | 0.0008              | Ag           | 7440-22-4            |                          | 100     |        |
| Total weight |                      |                       | 0.010               |              |                      |                          |         |        |

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