


# MATERIAL DATA SHEET



|              |                   |   |
|--------------|-------------------|---|
| Material     | <b>PM0603G</b>    |  |
| Product Line | Chip Inductors    |   |
| Date         | 12-September-2006 |   |
|              |                   |   |

| No. | Construction element | Material group        | Material Weight [g] | Materials | CAS if applicable | Average mass [%] | Sum [%] | Traces |
|-----|----------------------|-----------------------|---------------------|-----------|-------------------|------------------|---------|--------|
| 1   | Ceramic Body         | Ferrite Powder Series | 0.004959            | Fe2O3     | 1309-37-1         | 45~55            | 100     |        |
|     |                      |                       |                     | NiO       | 1313-99-1         | 5~7              |         |        |
|     |                      |                       |                     | ZnO       | 1314-13-2         | 15~25            |         |        |
|     |                      |                       |                     | CuO       | 1317-38-0         | 5~10             |         |        |
| 2   | Ag Paste             | Terminal Ag Paste     | 0.000312157         | Ag        | 7440-22-4         | 99.9             | 100     |        |
| 3   | Cu Layer             | Terminal Cu Layer     | 0.000062215         | Cu        | 7440-31-5         | 99.9             | 100     |        |
| 4   | Ni Layer             | TerminalNi Layer      | 0.000041657         | Ni        | 7440-02-0         | 99.9             | 100     |        |
| 5   | Sn Layer             | TerminalSn Layer      | 0.000124971         | Sn        | 7440-50-8         | 99.9             | 100     |        |
|     |                      |                       | Total weight        |           |                   | 0.0055           |         |        |

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## Important remarks:

1. Traces are product parts substances etc. that are below a percentage of 0.1% of total weight.
2. A list of the legally regulated substances or materials is available at internet address <http://www.eicta.org/content.asp?pageID=113>
3. Substances, materials etc. with possible harm to men and environment are listed.
4. There are no risks for human beings and to the environment if products are used properly as designated. This shall not apply to risks caused during procedures for disposal etc.
5. All statements herein are based on our present knowledge.