


## Inductive Components

## Material Data Sheet

|                     |                  |                                                                                    |
|---------------------|------------------|------------------------------------------------------------------------------------|
| Product Family Name | EP7<br>B78417Axx |  |
| Date                | 27.04.2007       |                                                                                    |
| Version             | 05               |                                                                                    |

| Construction Element            | Material group | Materials     | CAS<br>if applicable | mass [weight-%] |         |     | Sum<br>[%] | Traces |
|---------------------------------|----------------|---------------|----------------------|-----------------|---------|-----|------------|--------|
|                                 |                |               |                      | min             | typical | max |            |        |
| <b>Active Part</b>              |                |               |                      |                 |         |     | 70         |        |
|                                 | Ceramic        | Ferrite Mn-Zn | 12645-49-7           |                 | 70      |     |            |        |
| <b>Encapsulation</b>            |                |               |                      |                 |         |     | 10         |        |
|                                 | Polymer        | Phenolic      | 9003-35-4            |                 | 9       |     |            |        |
|                                 |                | Polyester     | 113669-97-9          |                 | 1       |     |            |        |
| <b>Termination / Conductors</b> |                |               |                      |                 |         |     | 20         |        |
|                                 | Metal          | Cu            | 7440-50-8            |                 | 19,7    |     |            |        |
|                                 |                | Sn            | 7440-31-5            |                 | 0,2     |     |            |        |
|                                 |                | Ni            | 7440-02-0            |                 | 0.1     |     |            |        |
|                                 |                |               |                      |                 | total:  |     | 100        |        |



Electronic Parts and Components

| < important class members> | Case sizes: D x L x H [mm] | Approx. weight [g] |
|----------------------------|----------------------------|--------------------|
| B78417A1637A003 (X587)     | 9,6x9,0x10,9               | 2                  |
| B78417A1698A003 (Y112) *)  | 9,6x9,0x10,9               | 2                  |
| B78417A1706A003 (Y149)     | 9,6x9,0x10,9               | 2                  |
| B78417A1717A003 (Y208)     | 9,6x9,0x10,9               | 2                  |
| B78417A1744A003 (Y442)     | 9,6x9,0x10,9               | 2                  |
| B78417A1747A003 (Y325) *)  | 9,6x9,0x10,9               | 2                  |
| B78417A1761A003 (Y333) *)  | 9,6x9,0x10,9               | 2                  |
| B78417A1762A003 (Y334) *)  | 9,6x9,0x10,9               | 2                  |
| B78417A1763A003 (Y335) *)  | 9,6x9,0x10,9               | 2                  |
| B78417A1764A003 (Y339) *)  | 9,6x9,0x10,9               | 2                  |
| B78417A1765A003 (Y363) *)  | 9,6x9,0x10,9               | 2                  |
| B78417A1822A003 (Y705)     | 9,6x9,0x10,9               | 2                  |
| B78417A1833A003 (T0562)    | 9,6x9,0x10,9               | 2                  |
| B78417A1838A003 (T0792)    | 9,6x9,0x10,9               | 2                  |
| B78417A1839A003 (T0812)    | 9,6x9,0x10,9               | 2                  |
| B78417A1847A003 (T0989) *) | 9,6x9,0x10,9               | 2                  |
| B78417A1851A003 (T1012) *) | 9,6x9,0x10,9               | 2                  |
| B78417A1859A003 (T0880)    | 9,6x9,0x10,9               | 2                  |
| B78417A1860A003 (T1172) *) | 9,6x9,0x10,9               | 2                  |
| B78417A1865A003 (Y555) *)  | 9,6x9,0x10,9               | 2                  |
| B78417A1907A003 (T0483)    | 9,6x9,0x10,9               | 2                  |
| B78417A1911A003 (T1878)    | 9,6x9,0x10,9               | 2                  |
| B78417A1922A003 (T2032) *) | 9,6x9,0x10,9               | 2                  |
| B78417A1937A003(T2075)     | 9,6x9,0x10,9               | 2                  |
| B78417A1939A003(T0729)     | 9,6x9,0x10,9               | 2                  |
| B78417A1948A003(T1865)     | 9,6x9,0x10,9               | 2                  |
| B78417A1958A003(T2322)     | 9,6x9,0x10,9               | 2                  |
| B78417A1967A003(T2360)     | 9,6x9,0x10,9               | 2                  |
| B78417A1973A003(T2462)     | 9,6x9,0x10,9               | 2                  |
| B78417A1977A003(T2350)     | 9,6x9,0x10,9               | 2                  |
| B78417A1982A003(T2631)     | 9,6x9,0x10,9               | 2                  |
| B78417A1987A003(T2119)     | 9,6x9,0x10,9               | 2                  |
| B78417A6760A003(Y033)      | 9,6x9,0x10,9               | 2                  |
| B78417A6915A003(T0574)     | 9,6x9,0x10,9               | 2                  |
| B78417A7067A003(T1170)     | 9,6x9,0x10,9               | 2                  |
| B78417A7187A003(T1450)     | 9,6x9,0x10,9               | 2                  |
| B78417A7335A003(T1674)     | 9,6x9,0x10,9               | 2                  |
| B78417A7682A003(T2632)     | 9,6x9,0x10,9               | 2                  |

|             |                                                                         |                                                                                                                                                                                                                                                                                                                              |
|-------------|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Company:    | EPCOS AG                                                                | <b>Important remarks:</b><br>1) Traces are product parts, substances etc. that are below a percent tage of 0.1 % by weight, if not otherwise regulated (see note no. 2).<br>2) A list of the (legal) "... restrictions on substances ..." or materials is available at internet address of the EICTA organisation (C4E List) |
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Electronic Parts and Components

**The component is RoHS-compatible**, what means compatible with the requirements of the directives listed below and with the requirements of the provisions which will result from transformation of the directives into national law to the extent such provisions reflect the Regulations. Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment ("Directive 2002/95/EC"); Commission Decision of 18 August 2005 amending Directive 2002/95/EC (2005/618/EC); Commission Decision of 13 October 2005, of 21 October 2005, of 21 February 2006 amending the Annex to Directive 2002/95/EC (2005/717/EC; 2005/747/EC, 2006/310/EC, 2006/690 .. 692/EC).

3) All statements herein are based on our present knowledge. If our products are used properly, there are no risks to human beings and/or the environment.

\*) Contains brominated flame retardants (not PBBs / PBDEs) and antimonytrioxide (appr. amount < 0,1 weight-%)