

Inductive Components

Material Data Sheet

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|---------------------|--------------------------------|--|
| Product Family Name | B82498F3***+001 (EIA 0805F) |  |
| Date | 18.05.2007. | |
| Version | 03 | |

| Construction Element | Material group | Materials | CAS if applicable | mass [weight-%] | | | Sum [%] | Traces |
|---------------------------------|----------------|--------------------------------|----------------------|-----------------|---------|-----|---------------|------------|
| | | | | min | typical | max | | |
| Active Part | | | | | | | 83,4 | |
| | Ceramics | Al ₂ O ₃ | 1344-28-1 | | 83,4 | | | |
| Encapsulation | | | | | | | 6,6 | |
| | Polymers | Epoxy | 2386-87-0 | | 6,6 | | | |
| Termination / Conductors | | | | | | | 10,0 | |
| | Metals | Cu | 7440-50-8 | 2,5 | 8,3 | 15 | | |
| | | W | 7440-33-7 | | 0,4 | | | |
| | | Ni | 7440-02-0 | | 1,0 | | | |
| | | Au | 7440-57-5 | | 0,3 | | | |
| | | | | | | | Sum in total: | 100 |

| Case sizes: | D x L x H [mm] | Approx. weight [mg] |
|------------------|----------------|---------------------|
| B82498-F3100*001 | 1,7x2,3x1,45 | 10 |
| B82498-F3101*001 | 1,7x2,3x1,45 | 12 |

| | | |
|--|---|---|
| Company: | EPCOS AG | Important remarks: 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). 2) A list of the (legal) "... restrictions on substances ..." or materials is available at internet address: http://www.gadsl.org 3) Substances, materials etc. with possible harmful effects on human beings and the environment are listed. 4) There are no risks for human beings and to the environment if products are properly used as designated. This shall not apply to risks caused during procedures for disposal etc. 5) 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. |
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| <p>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 and of 21 October 2005 amending the Annex to Directive 2002/95/EC (2005/717/EC; 2005/747/EC).</p> | | |