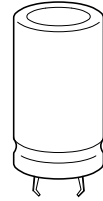


Passive Components

Material Data Sheet

| | | |
|----------------------------|--|---|
| Product Family Name | Aluminum Electrolytic Capacitors Snap-in version B41848A0158Z000 |  |
| Date | 15.05.2008 | |
| Version | 01 | |

| Construction Element | Material group | Materials | CAS if applicable | mass [weight-%] | | | Sum [%] | Traces |
|----------------------|----------------|---|---------------------------------------|-----------------|-------------------|-----|------------|--------|
| | | | | min | typical | max | | |
| Active Part | | | | | | | 70 | |
| | Metals | Aluminum foil | 7429-90-5 | | 32 | | | |
| | Liquids | Butyrolactone | 96-48-0 | | 26 | | | |
| | Others | Paper | 9004-34-6 | | 12 | | | |
| Encapsulation | | | | | | | 29 | |
| | Metals | Aluminum case | 7429-90-5 | | 19 | | | |
| | Metals | Aluminum rivet | 7429-90-5 | | 1 | | | |
| | Others | Cover disc of paper, epoxy resin, EPDM rubber | 9004-34-6 25928-94-3 25038-36-2 | | 1,1 3,4 1,5 | | | PTFE |
| | Plastic | PVC insulation | 9002-86-2 | | 3 | | | |
| Termination | | | | | | | 1 | |
| | Metals | Cu, Zn | 7440-50-8 7440-66-6 | | 1 | | | Tin |
| total: | | | | | | | 100 | |

| D x L [mm] | Approx. weight [g] | D x L [mm] | Approx. weight [g] | D x L [mm] | Approx. weight [g] | D x L [mm] | Approx. weight [g] |
|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|
| 22 x 30 | 15 | 25 x 40 | 28 | 25 x 50 | 35 | 30 x 40 | 39 |
| 22 x 40 | 21 | 25 x 45 | 31 | 25 x 55 | 38 | 30 x 50 | 50 |
| 22 x 50 | 24 | | | 25 X 90 | 55 | 35 x 50 | 68 |

| | | |
|---|---|--|
| Company: | EPCOS do Brasil Ltda. | 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 of the EICTA organisation (C4E List) 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. |
| Contact: | Torino, Vinicius – Development engineer – GTI KO PD | |
| Phone / Fax: | +55 51 3484 7303 / +55 51 3484 7230 | |
| Mail: | mailto: vinicius.torino@epcos.com | |
| <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, 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).</p> | | |